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LOGINID:SSPTAJHM1624

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	OCT 02	CA/CAPplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	3	OCT 19	BEILSTEIN updated with new compounds
NEWS	4	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	5	NOV 19	WPIX enhanced with XML display format
NEWS	6	NOV 30	ICSD reloaded with enhancements
NEWS	7	DEC 04	LINPADOCDB now available on STN
NEWS	8	DEC 14	BEILSTEIN pricing structure to change
NEWS	9	DEC 17	USPATOLD added to additional database clusters
NEWS	10	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS	11	DEC 17	DGENE now includes more than 10 million sequences
NEWS	12	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS	13	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS	14	DEC 17	CA/CAPplus enhanced with new custom IPC display formats
NEWS	15	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS	16	JAN 02	STN pricing information for 2008 now available
NEWS	17	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	18	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	19	JAN 28	MARPAT searching enhanced
NEWS	20	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	21	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	22	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS	23	FEB 08	STN Express, Version 8.3, now available
NEWS	24	FEB 20	PCI now available as a replacement to DPCI
NEWS	25	FEB 25	IFIREF reloaded with enhancements
NEWS	26	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	27	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:11:46 ON 17 MAR 2008

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:12:02 ON 17 MAR 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 16 MAR 2008 HIGHEST RN 1008362-16-0

DICTIONARY FILE UPDATES: 16 MAR 2008 HIGHEST RN 1008362-16-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

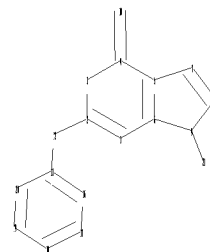
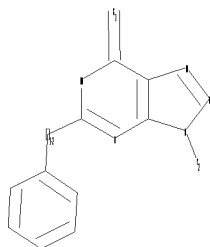
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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Uploading C:\Program Files\Stnexp\Queries\10 series\10525115\10525115a.str



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ring nodes :
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chain bonds :
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ring bonds :
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19-20
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 4-10 5-6 5-7 6-9 7-8 8-9 9-21
exact bonds :
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G1:O,S

G2:Cb,Ak

Match level :

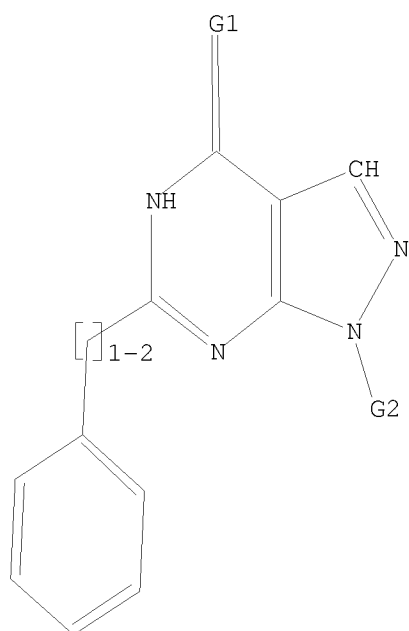
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12:CLASS 13:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,S

G2 Cb,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 14:12:21 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 56 TO ITERATE

100.0% PROCESSED 56 ITERATIONS

9 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 672 TO 1568

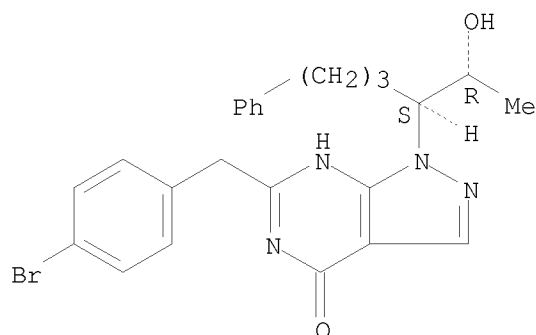
PROJECTED ANSWERS: 9 TO 360

L2 9 SEA SSS SAM L1

=> d scan

L2 9 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-bromophenyl)methyl]-1,5-dihydro-1-
[(1R)-1-[(1S)-1-hydroxyethyl]-4-phenylbutyl]-, rel-
MF C24 H25 Br N4 O2

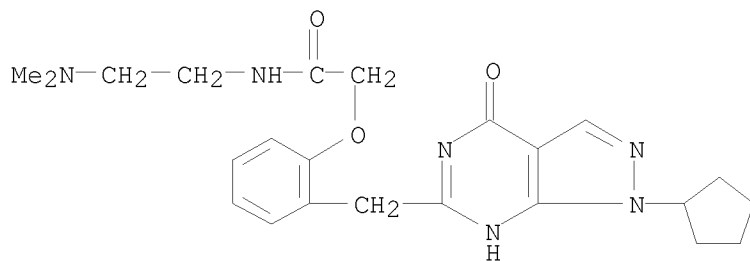
Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

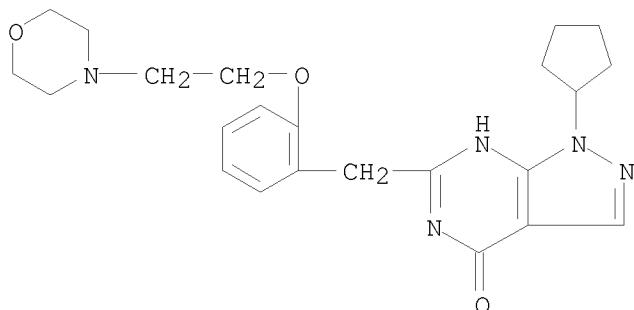
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L2 9 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Acetamide, 2-[2-[(1-cyclopentyl-4,5-dihydro-4-oxo-1H-pyrazolo[3,4-
d]pyrimidin-6-yl)methyl]phenoxy]-N-[2-(dimethylamino)ethyl]-
MF C23 H30 N6 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 9 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1-cyclopentyl-1,5-dihydro-6-[[2-[2-(4-
morpholinyl)ethoxy]phenyl]methyl]-
MF C23 H29 N5 O3
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l1 full

FULL SEARCH INITIATED 14:12:41 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1020 TO ITERATE

100.0% PROCESSED 1020 ITERATIONS

124 ANSWERS

SEARCH TIME: 00.00.01

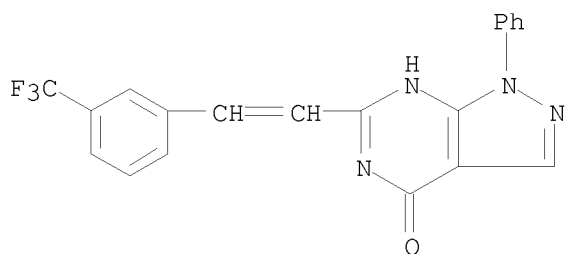
L3 124 SEA SSS FUL L1

=> d scan

L3 124 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-phenyl-6-[2-[3-(trifluoromethyl)phenyl]ethenyl]-

MF C20 H13 F3 N4 O



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

178.36

178.57

FILE 'CAPLUS' ENTERED AT 14:12:55 ON 17 MAR 2008

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FILE COVERS 1907 - 17 Mar 2008 VOL 148 ISS 12
FILE LAST UPDATED: 16 Mar 2008 (20080316/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 13

L4 18 L3

=> s 14 and (pd<=20020823 or ad<=20020823 or prd<=20020823)

22784468 PD<=20020823

(PD<=20020823)

4374356 AD<=20020823

(AD<=20020823)

3848579 PRD<=20020823

(PRD<=20020823)

L5 15 L4 AND (PD<=20020823 OR AD<=20020823 OR PRD<=20020823)

=> d 15 ibib hitstr

L5 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:182883 CAPLUS

DOCUMENT NUMBER: 140:217660

TITLE: Preparation of 6-benzylpyrazolo[3,4-d]pyrimidin-4-ones as phosphodiesterase-9A (PDE9A) inhibitors.

INVENTOR(S): Hendrix, Martin; Boess, Frank-Gerhard; Burkhardt, Nils; Erb, Christina; Tersteegen, Adrian; Van Kampen, Marja

PATENT ASSIGNEE(S): Bayer Healthcare A.-G., Germany

SOURCE: PCT Int. Appl., 56 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004018474	A1	20040304	WO 2003-EP8923	20030812 <--
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

DE 10238723	A1	20040311	DE 2002-10238723	20020823	<--
CA 2496194	A1	20040304	CA 2003-2496194	20030812	<--
AU 2003258601	A1	20040311	AU 2003-258601	20030812	<--
EP 1534711	A1	20050601	EP 2003-792301	20030812	<--
EP 1534711	B1	20060419			

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

JP 2006507242	T	20060302	JP 2004-530129	20030812	<--
ES 2263057	T3	20061201	ES 2003-792301	20030812	<--
US 2006106035	A1	20060518	US 2005-525115	20050831	<--

PRIORITY APPLN. INFO.: DE 2002-10238723 A 20020823 <--
WO 2003-EP8923 W 20030812

OTHER SOURCE(S): MARPAT 140:217660

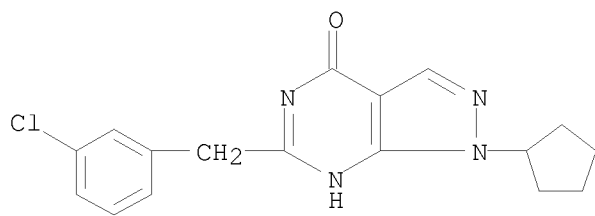
IT 666235-19-4P 666235-20-7P 666235-21-8P
666235-22-9P 666235-23-0P 666235-24-1P
666235-25-2P 666235-26-3P 666235-27-4P
666235-28-5P 666235-29-6P 666235-30-9P
666235-31-0P 666235-32-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of benzylpyrazolopyrimidones as phosphodiesterase-9A (PDE9A) inhibitors)

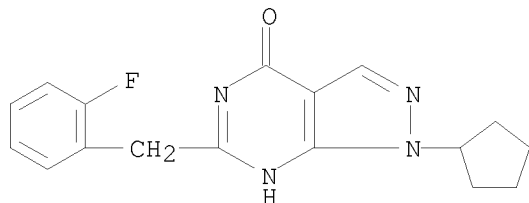
RN 666235-19-4 CAPLUS

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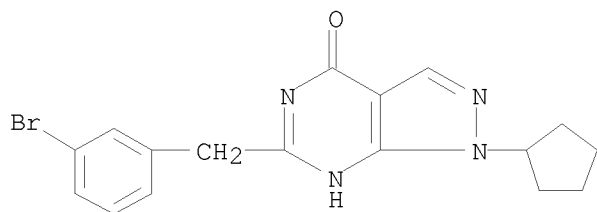
RN 666235-20-7 CAPLUS

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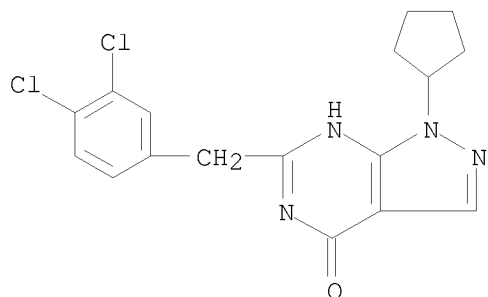
RN 666235-21-8 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(3-bromophenyl)methyl]-1-cyclopentyl-1,5-dihydro- (CA INDEX NAME)



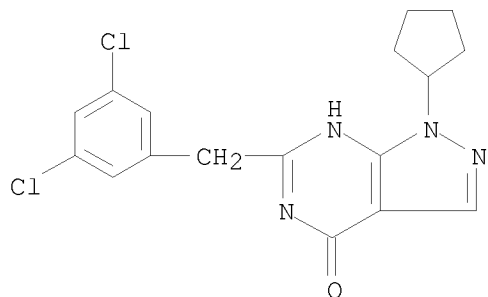
RN 666235-22-9 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1-cyclopentyl-6-[(3,4-dichlorophenyl)methyl]-1,5-dihydro- (CA INDEX NAME)



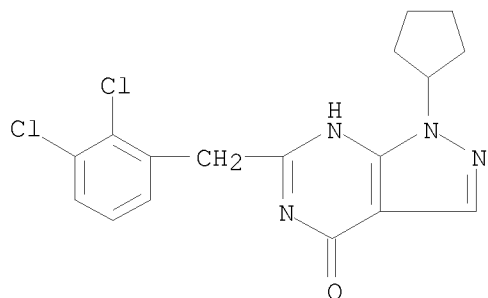
RN 666235-23-0 CAPLUS

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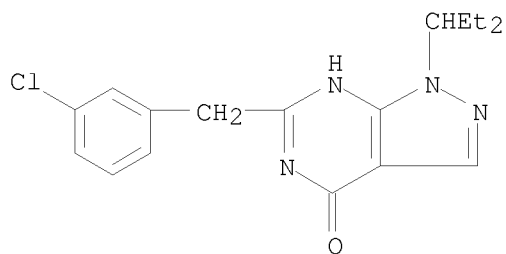
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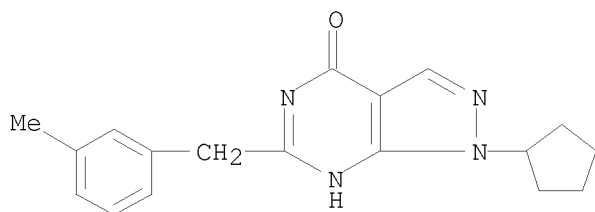
RN 666235-25-2 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(3-chlorophenyl)methyl]-1-(1-ethylpropyl)-1,5-dihydro- (CA INDEX NAME)



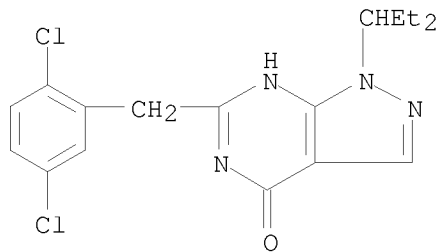
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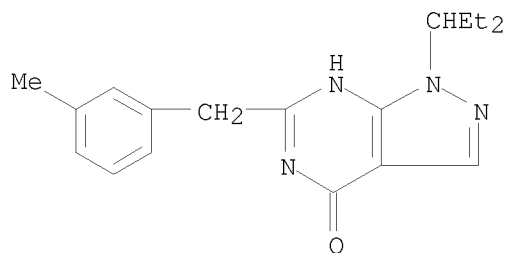
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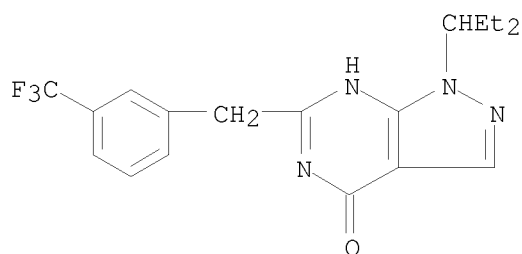
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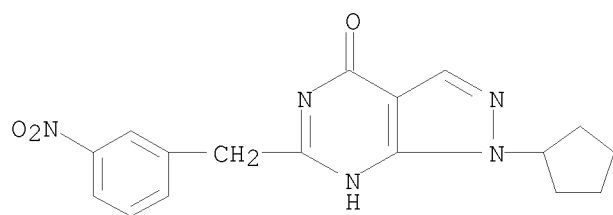
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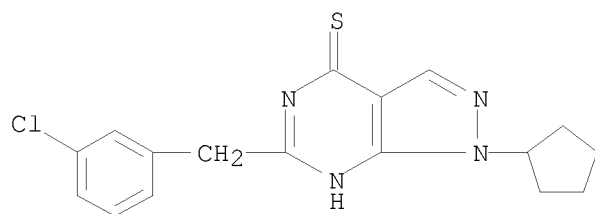
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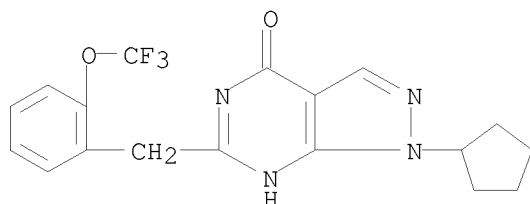
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RN 666235-32-1 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1-cyclopentyl-1,5-dihydro-6-[[2-(trifluoromethoxy)phenyl]methyl]- (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 15 2-15 ibib hitstr

L5 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:621218 CAPLUS

DOCUMENT NUMBER: 129:260471

TITLE: Preparation of pyrazolo[3,4-d]pyrimidinones as phosphodiesterase inhibitors

INVENTOR(S): Haning, Helmut; Niewohner, Ulrich; Rosentreter, Ulrich; Schenke, Thomas; Keldenich, Jorg; Bischoff, Erwin; Schlemmer, Karl-Heinz; Schutz, Helmuth; Thomas, Gunter

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: PCT Int. Appl., 115 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9840384	A1	19980917	WO 1998-EP1086	19980226 <--
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AU 727615	B2	20001214		
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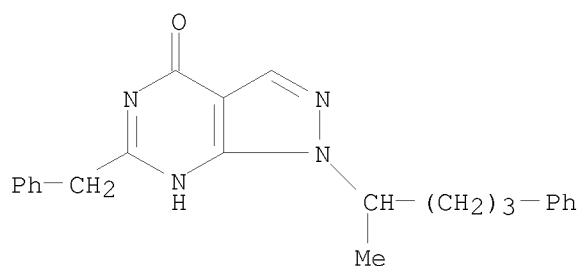
OTHER SOURCE(S): MARPAT 129:260471

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 213324-37-9P 213324-38-0P 213324-39-1P
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RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of pyrazolo[3,4-d]pyrimidinones as phosphodiesterase inhibitors)

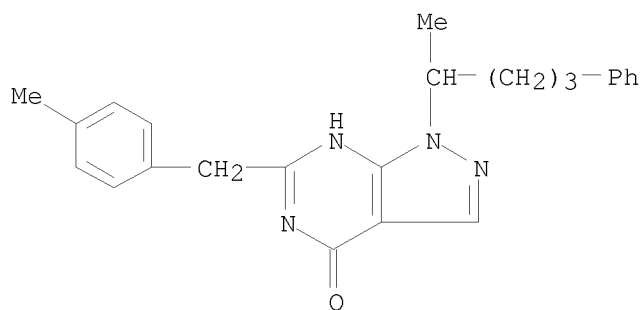
RN 213324-17-5 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-(1-methyl-4-phenylbutyl)-6-(phenylmethyl)- (CA INDEX NAME)



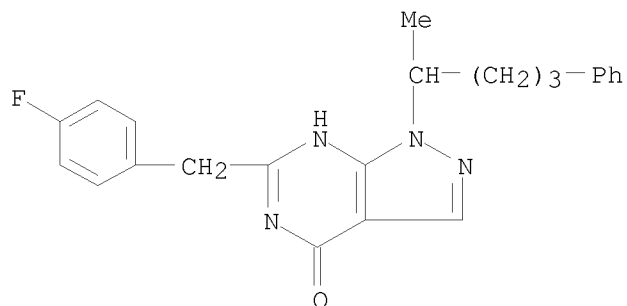
RN 213324-18-6 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-(1-methyl-4-phenylbutyl)-6-[(4-methylphenyl)methyl]- (CA INDEX NAME)

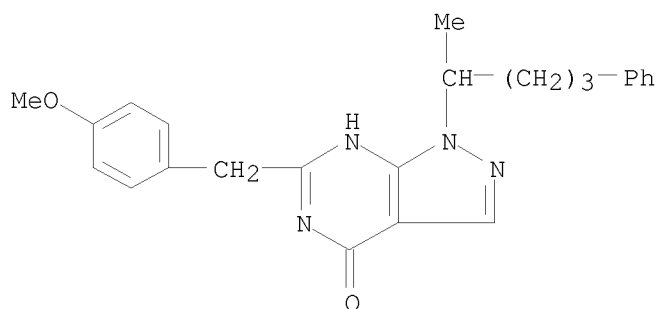


RN 213324-19-7 CAPLUS

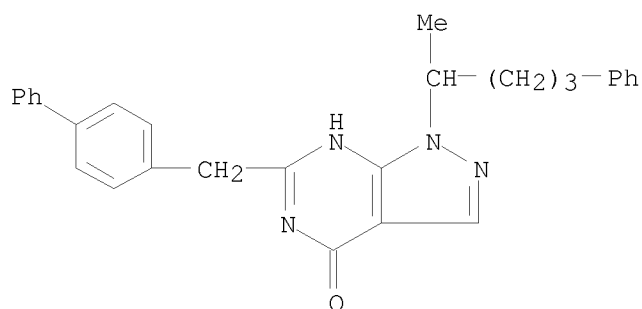
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-fluorophenyl)methyl]-1,5-dihydro-1-(1-methyl-4-phenylbutyl)- (CA INDEX NAME)



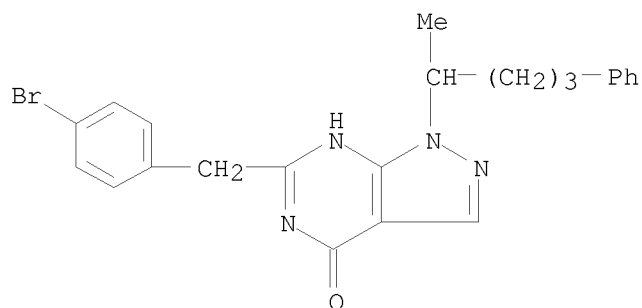
RN 213324-20-0 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-6-[(4-methoxyphenyl)methyl]-1-(1-methyl-4-phenylbutyl)- (CA INDEX NAME)



RN 213324-21-1 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-([1,1'-biphenyl]-4-ylmethyl)-1,5-dihydro-1-(1-methyl-4-phenylbutyl)- (CA INDEX NAME)

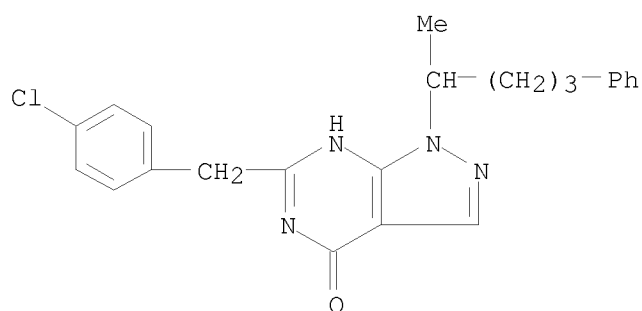


RN 213324-22-2 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-bromophenyl)methyl]-1,5-dihydro-1-(1-methyl-4-phenylbutyl)- (CA INDEX NAME)



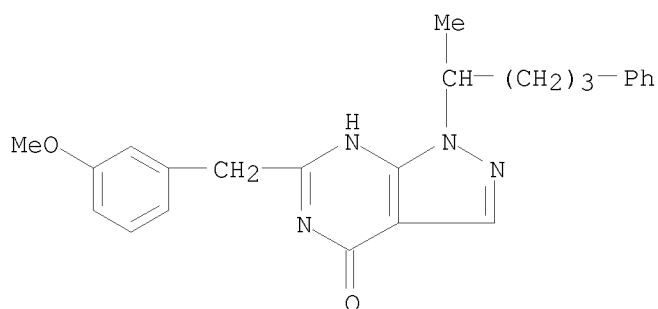
RN 213324-23-3 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-chlorophenyl)methyl]-1,5-dihydro-1-(1-methyl-4-phenylbutyl)- (CA INDEX NAME)



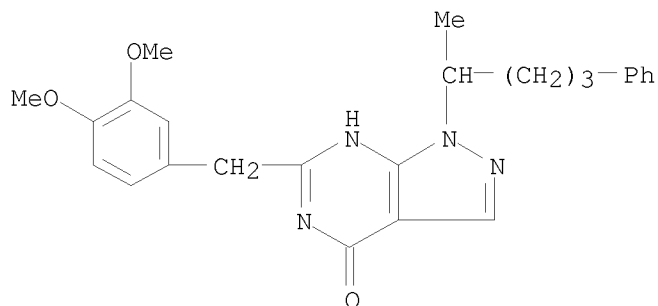
RN 213324-24-4 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-6-[(3-methoxyphenyl)methyl]-1-(1-methyl-4-phenylbutyl)- (CA INDEX NAME)

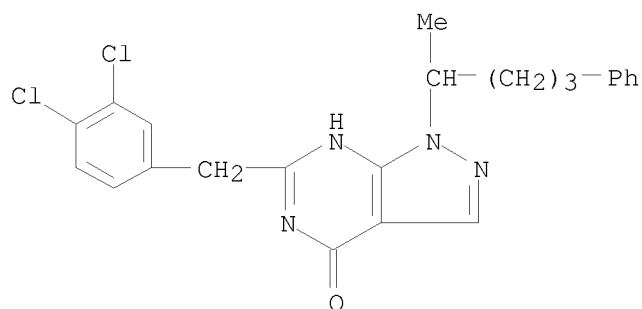


RN 213324-25-5 CAPLUS

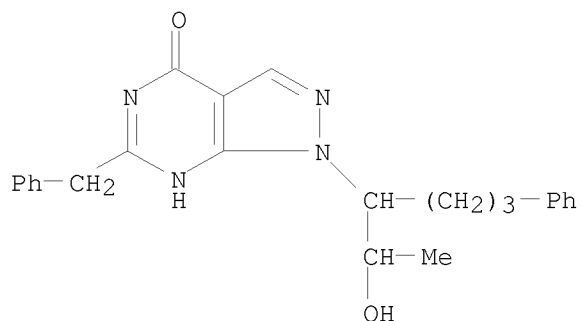
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(3,4-dimethoxyphenyl)methyl]-1,5-dihydro-1-(1-methyl-4-phenylbutyl)- (CA INDEX NAME)



RN 213324-26-6 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(3,4-dichlorophenyl)methyl]-1,5-dihydro-1-(1-methyl-4-phenylbutyl)- (CA INDEX NAME)

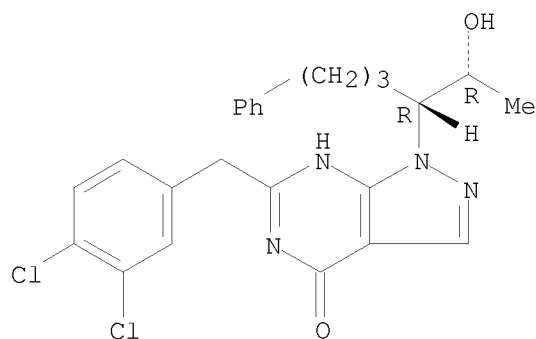


RN 213324-29-9 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-[1-(1-hydroxyethyl)-4-phenylbutyl]-6-(phenylmethyl)- (CA INDEX NAME)



RN 213324-30-2 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(3,4-dichlorophenyl)methyl]-1,5-dihydro-1-[(1R)-1-[(1R)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

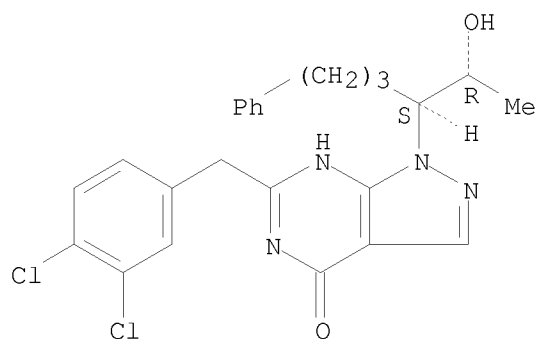
Relative stereochemistry.



RN 213324-31-3 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(3,4-dichlorophenyl)methyl]-1,5-dihydro-1-[(1R)-1-[(1S)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

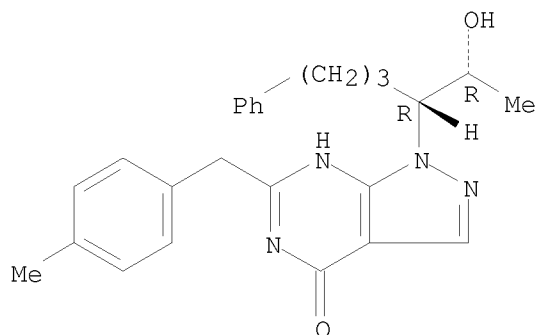
Relative stereochemistry.



RN 213324-32-4 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-[(1R)-1-[(1R)-1-hydroxyethyl]-4-phenylbutyl]-6-[(4-methylphenyl)methyl]-, rel- (CA INDEX NAME)

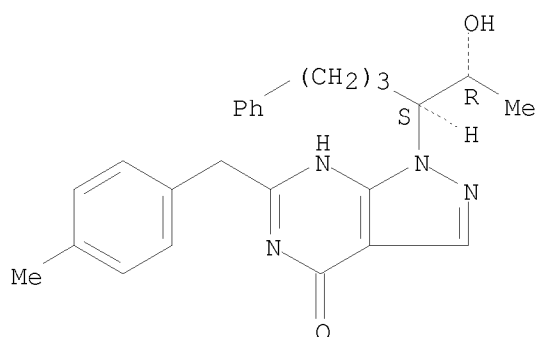
Relative stereochemistry.



RN 213324-33-5 CAPLUS

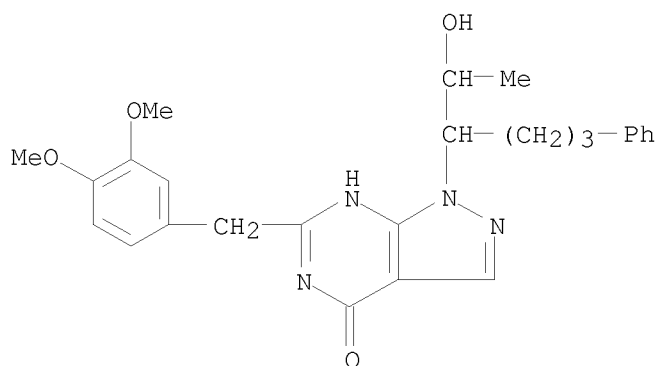
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-[(1R)-1-[(1S)-1-hydroxyethyl]-4-phenylbutyl]-6-[(4-methylphenyl)methyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.



RN 213324-34-6 CAPLUS

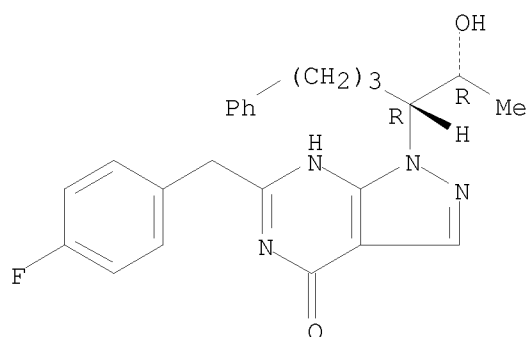
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(3,4-dimethoxyphenyl)methyl]-1,5-dihydro-1-[1-(1-hydroxyethyl)-4-phenylbutyl]- (CA INDEX NAME)



RN 213324-35-7 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-fluorophenyl)methyl]-1,5-dihydro-1-[(1R)-1-[(1R)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

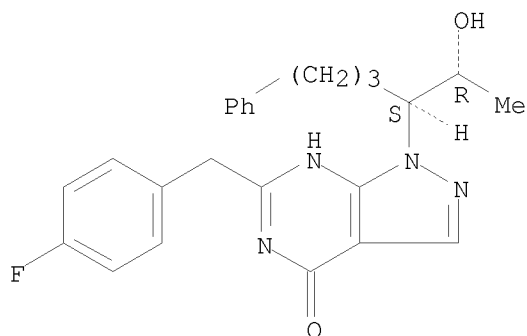
Relative stereochemistry.



RN 213324-36-8 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-fluorophenyl)methyl]-1,5-dihydro-1-[(1R)-1-[(1S)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

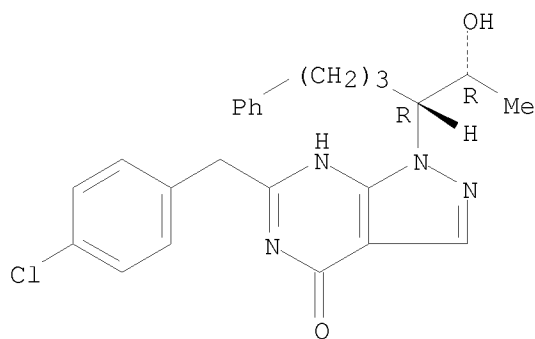
Relative stereochemistry.



RN 213324-37-9 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-chlorophenyl)methyl]-1,5-dihydro-1-[(1R)-1-[(1R)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

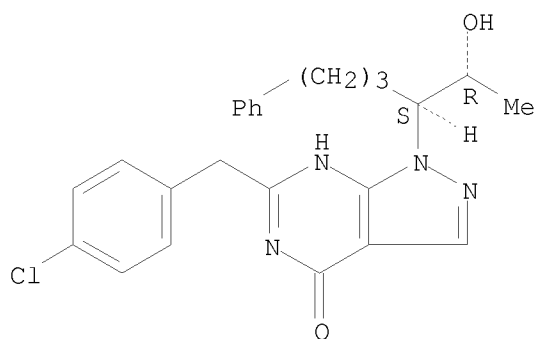
Relative stereochemistry.



RN 213324-38-0 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-chlorophenyl)methyl]-1,5-dihydro-1-[(1R)-1-[(1S)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

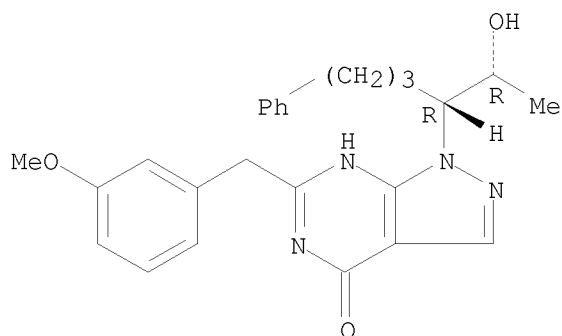
Relative stereochemistry.



RN 213324-39-1 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-[(1R)-1-[(1R)-1-hydroxyethyl]-4-phenylbutyl]-6-[(3-methoxyphenyl)methyl]-, rel- (CA INDEX NAME)

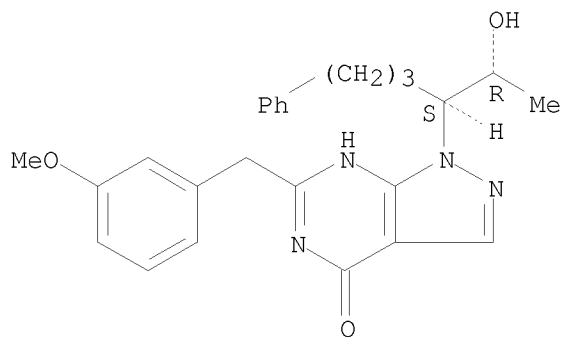
Relative stereochemistry.



RN 213324-40-4 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-[(1R)-1-[(1S)-1-hydroxyethyl]-4-phenylbutyl]-6-[(3-methoxyphenyl)methyl]-, rel- (CA INDEX NAME)

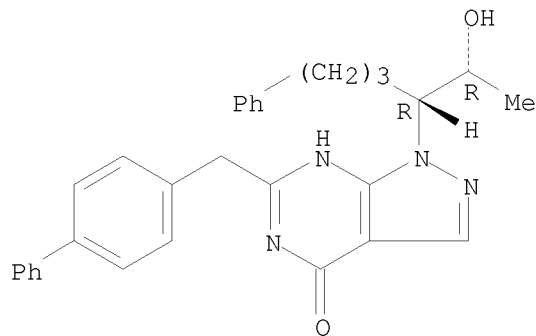
Relative stereochemistry.



RN 213324-41-5 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-([1,1'-biphenyl]-4-ylmethyl)-1,5-dihydro-1-[(1R)-1-[(1R)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

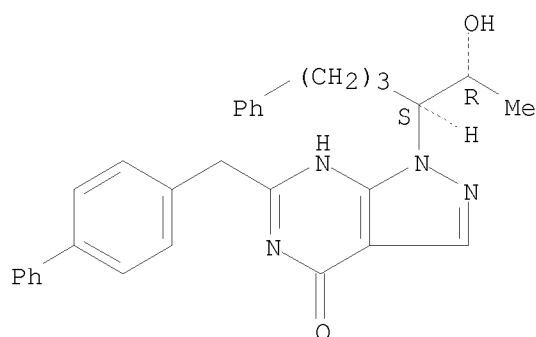
Relative stereochemistry.



RN 213324-42-6 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-([1,1'-biphenyl]-4-ylmethyl)-1,5-dihydro-1-[(1R)-1-[(1S)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

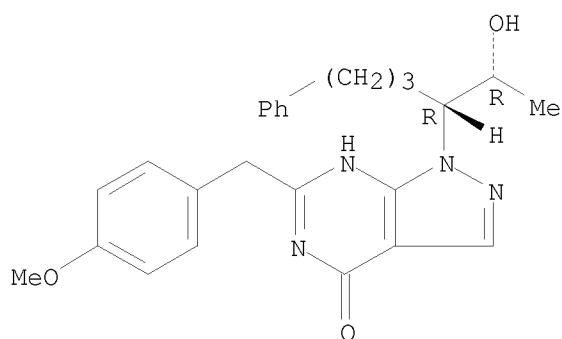
Relative stereochemistry.



RN 213324-43-7 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-[(1R)-1-[(1R)-1-hydroxyethyl]-4-phenylbutyl]-6-[(4-methoxyphenyl)methyl]-, rel- (CA INDEX NAME)

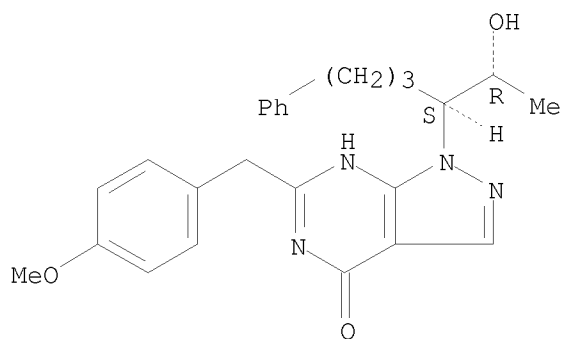
Relative stereochemistry.



RN 213324-44-8 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-[(1R)-1-[(1S)-1-hydroxyethyl]-4-phenylbutyl]-6-[(4-methoxyphenyl)methyl]-, rel- (CA INDEX NAME)

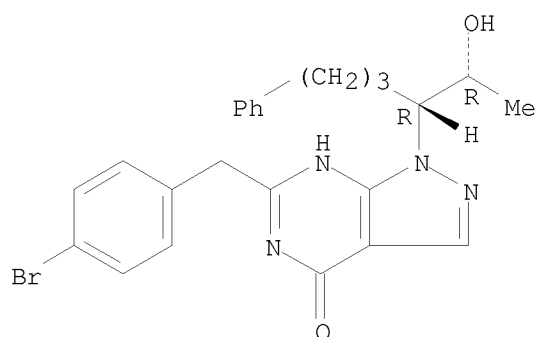
Relative stereochemistry.



RN 213324-45-9 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-bromophenyl)methyl]-1,5-dihydro-1-[(1R)-1-[(1R)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

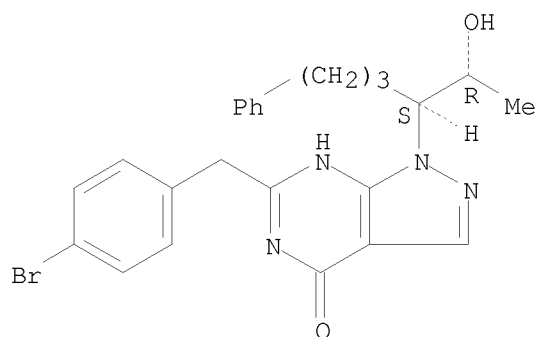
Relative stereochemistry.



RN 213324-46-0 CAPLUS

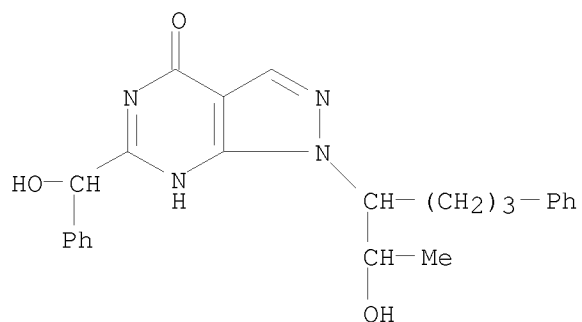
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-bromophenyl)methyl]-1,5-dihydro-1-[(1R)-1-[(1S)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.



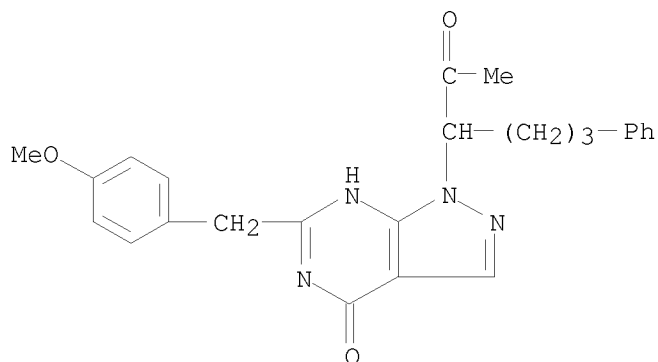
RN 213324-47-1 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-[1-(1-hydroxyethyl)-4-phenylbutyl]-6-(hydroxyphenylmethyl)- (CA INDEX NAME)

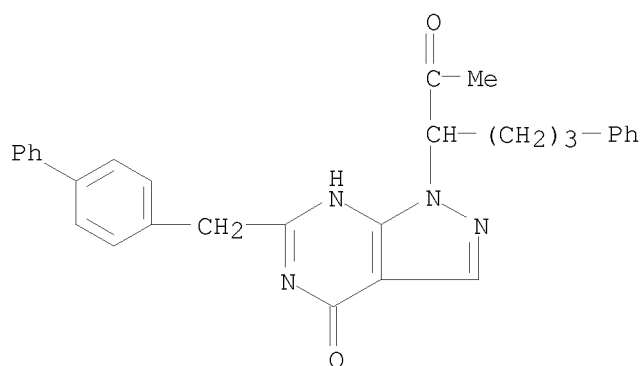


RN 213324-53-9 CAPLUS

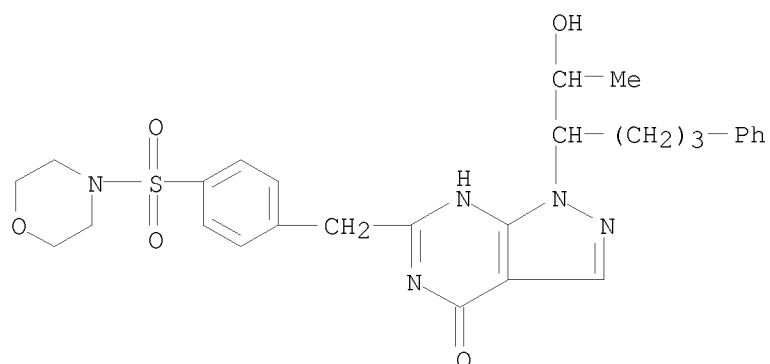
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1-(1-acetyl-4-phenylbutyl)-1,5-dihydro-6-[(4-methoxyphenyl)methyl]- (CA INDEX NAME)



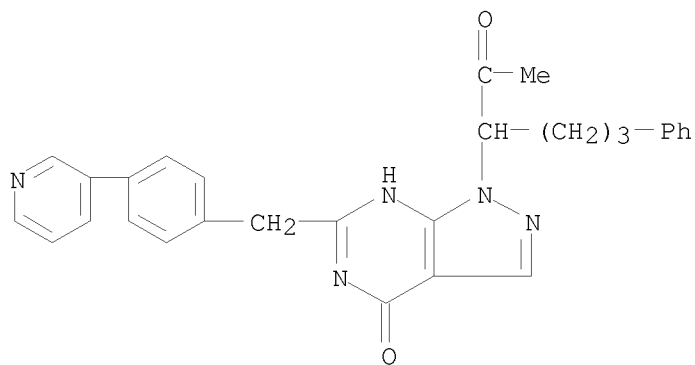
RN 213324-54-0 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1-(1-acetyl-4-phenylbutyl)-6-([1,1'-biphenyl]-4-ylmethyl)-1,5-dihydro- (CA INDEX NAME)



RN 213324-56-2 CAPLUS
 CN Morpholine, 4-[[4-[[4,5-dihydro-1-[1-(1-hydroxyethyl)-4-phenylbutyl]-4-oxo-1H-pyrazolo[3,4-d]pyrimidin-6-yl]methyl]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

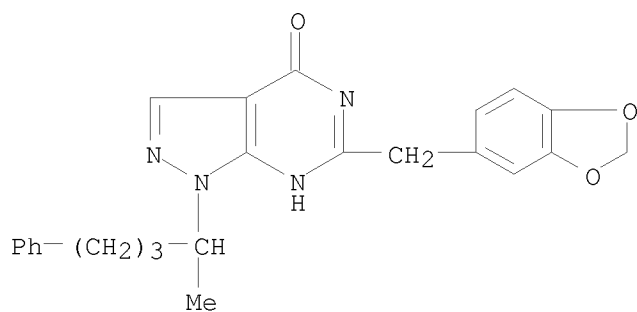


RN 213324-57-3 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1-(1-acetyl-4-phenylbutyl)-1,5-dihydro-6-[[4-(3-pyridinyl)phenyl]methyl]- (CA INDEX NAME)



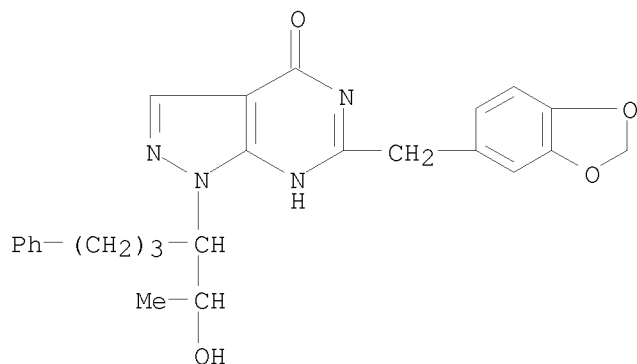
RN 213324-62-0 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-(1,3-benzodioxol-5-ylmethyl)-1,5-dihydro-1-(1-methyl-4-phenylbutyl)- (CA INDEX NAME)



RN 213324-68-6 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-(1,3-benzodioxol-5-ylmethyl)-1,5-dihydro-1-[1-(1-hydroxyethyl)-4-phenylbutyl]- (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

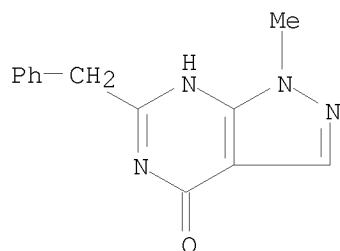
L5 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1991:6429 CAPLUS

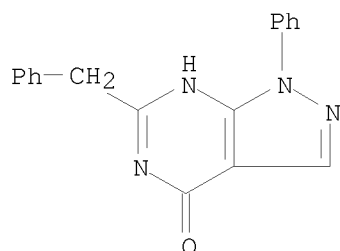
DOCUMENT NUMBER: 114:6429

TITLE: Studies on pyrazolo[3,4-d]pyrimidine derivatives.
XVIII. Facile preparation of 1H-pyrazolo[3,4-d]pyrimidin-4(5H)-ones

AUTHOR(S): Miyashita, Akira; Iijima, Chihoko; Higashino, Takeo;
Matsuda, Hideaki
CORPORATE SOURCE: Sch. Pharm. Sci., Univ. Shizuoka, Shizuoka, 422, Japan
SOURCE: Heterocycles (1990), 31(7), 1309-14
CODEN: HTCYAM; ISSN: 0385-5414
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 114:6429
IT 91803-32-6P 94331-62-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 91803-32-6 CAPLUS
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-methyl-6-(phenylmethyl)-
(CA INDEX NAME)



RN 94331-62-1 CAPLUS
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-phenyl-6-(phenylmethyl)-
(CA INDEX NAME)



L5 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1975:31354 CAPLUS
DOCUMENT NUMBER: 82:31354
ORIGINAL REFERENCE NO.: 82:4988h, 4989a
TITLE: 6-Styrylpyrazolo(3,4-d)pyrimidin-4-ones and
pyrimidines and their salts
INVENTOR(S): Breuer, Hermann; Treuner, Uwe D.
PATENT ASSIGNEE(S): Chemische Fabrik von Heyden G.m.b.H.
SOURCE: Ger. Offen., 18 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2408906	A1	19740919	DE 1974-2408906	19740225 <--

US 3847908	A	19741112	US 1973-337807	19730305 <--
GB 1414932	A	19751119	GB 1974-7542	19740219 <--
CA 1047494	A1	19790130	CA 1974-193467	19740226 <--
FR 2220262	A1	19741004	FR 1974-7479	19740305 <--
JP 49134697	A	19741225	JP 1974-26744	19740305 <--
			US 1973-337807	A 19730305 <--

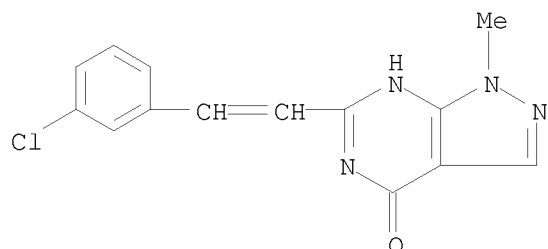
PRIORITY APPLN. INFO.:

IT 54820-79-0P 54820-85-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and chlorination of)

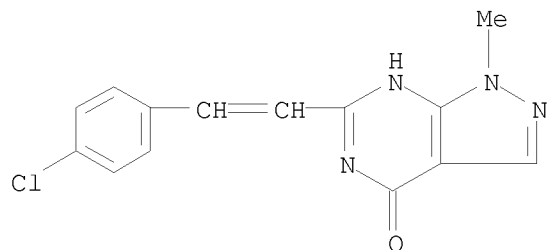
RN 54820-79-0 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[2-(3-chlorophenyl)ethenyl]-1,5-
dihydro-1-methyl- (CA INDEX NAME)



RN 54820-85-8 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[2-(4-chlorophenyl)ethenyl]-1,5-
dihydro-1-methyl- (CA INDEX NAME)

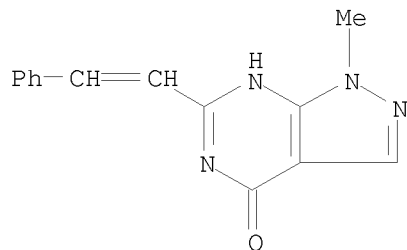


IT 54820-73-4P 54820-78-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

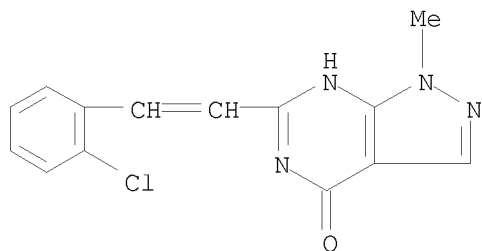
RN 54820-73-4 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-methyl-6-(2-
phenylethenyl)- (CA INDEX NAME)



RN 54820-78-9 CAPLUS

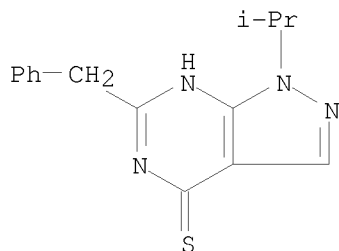
CN 1H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[2-(2-chlorophenyl)ethenyl]-1,5-dihydro-1-methyl- (9CI) (CA INDEX NAME)



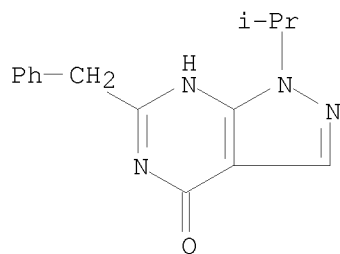
L5 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1966:84620 CAPLUS
 DOCUMENT NUMBER: 64:84620
 ORIGINAL REFERENCE NO.: 64:15897g-h,15898a
 TITLE: 4-Mercaptopyrazolo[3,4-d]pyrimidines
 INVENTOR(S): Schmidt, Paul; Eichenberger, Kurt; Wilhelm, Max
 PATENT ASSIGNEE(S): CIBA Ltd.
 SOURCE: 6 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CH 396924		19660131	CH 1960-1273264	19600511 <--
PRIORITY APPLN. INFO.:			CH	19600511 <--
IT 5494-39-3P, 1H-Pyrazolo[3,4-d]pyrimidine-4-thiol, 6-benzyl-1-isopropyl- 5494-84-8P, 1H-Pyrazolo[3,4-d]pyrimidin-4- ol, 6-benzyl-1-isopropyl- RL: PREP (Preparation) (preparation of)				
RN 5494-39-3	CAPLUS			
CN 1H-Pyrazolo[3,4-d]pyrimidine-4-thiol, 6-benzyl-1-isopropyl- (7CI, 8CI) (CA INDEX NAME)				



RN 5494-84-8 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-(1-methylethyl)-6-(phenylmethyl)- (CA INDEX NAME)



L5 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1966:84619 CAPLUS

DOCUMENT NUMBER: 64:84619

ORIGINAL REFERENCE NO.: 64:15897d-g

TITLE: 4-Mercaptopyrazolo[3,4-d]pyrimidines

INVENTOR(S): Schmidt, Paul; Eichenberger, Kurt; Wilhelm, Max

PATENT ASSIGNEE(S) : CIBA Ltd.

SOURCE: 4 pp.

DOCUMENT TYPE: Patent

LANGUAGE: Unavailable

FAMILY ACC. NUM. COUNT: 1

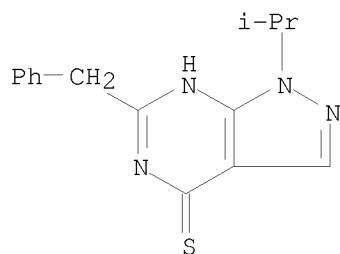
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
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CH 396923		19660131	CH 1960-1273164	19600511	<--
PRIORITY APPLN. INFO.:			CH	19600511	<--

IT 5494-39-3P, 1H-Pyrazolo[3,4-d]pyrimidine-4-thiol,
6-benzyl-1-isopropyl- 5494-84-8P, 1H-Pyrazolo[3,4-d]pyrimidin-4-
ol, 6-benzyl-1-isopropyl-
RL: PREP (Preparation)
(preparation of)

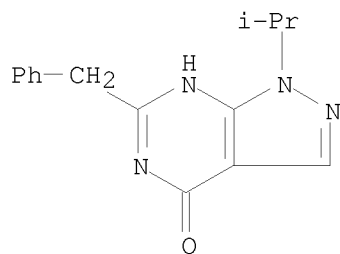
RN 5494-39-3 CAPLUS

CN 1H-Pyrazolo[3.4-d]pyrimidine-4-thiol, 6-benzyl-1-isopropyl- (7CI, 8CI)
(CA INDEX NAME)



RN 5494-84-8 CAPLUS

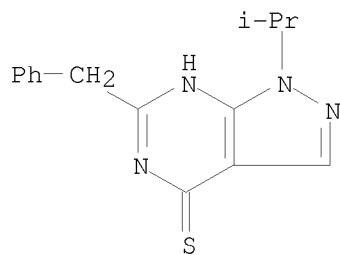
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-(1-methylethyl)-6-(phenylmethyl)- (CA INDEX NAME)



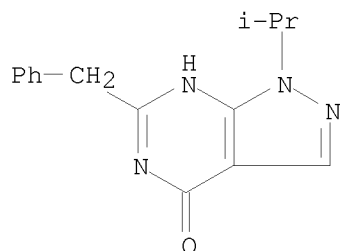
L5 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1964:60960 CAPLUS
 DOCUMENT NUMBER: 60:60960
 ORIGINAL REFERENCE NO.: 60:10698a-c
 TITLE: 1-Alkyl-6-aralkylpyrazolo[3,4-d]pyrimidines
 INVENTOR(S): Schmidt, Paul; Eichenberger, Kurt; Wilhelm, Max
 PATENT ASSIGNEE(S): CIBA Ltd.
 SOURCE: 3 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1161281		19640116	DE 1961-C23979	19610426 <--
GB 937726			GB	
PRIORITY APPLN. INFO.:			CH	19600511 <--
IT 5494-39-3P, 1H-Pyrazolo[3,4-d]pyrimidine-4-thiol, 6-benzyl-1-isopropyl-		5494-84-8P, 1H-Pyrazolo[3,4-d]pyrimidin-4- ol, 6-benzyl-1-isopropyl-		
RL: PREP (Preparation) (preparation of)				
RN 5494-39-3 CAPLUS				
CN 1H-Pyrazolo[3,4-d]pyrimidine-4-thiol, 6-benzyl-1-isopropyl-			(7CI, 8CI)	
(CA INDEX NAME)				



RN 5494-84-8 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-(1-methylethyl)-6-(phenylmethyl)- (CA INDEX NAME)



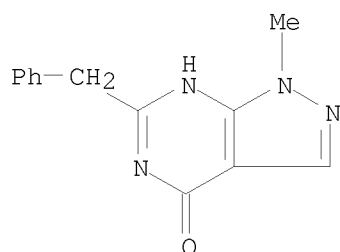
L5 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1964:16883 CAPLUS
DOCUMENT NUMBER: 60:16883
ORIGINAL REFERENCE NO.: 60:2981a-e
TITLE: 4-Hydroxypyrazolo[3,4-d]pyrimidines
INVENTOR(S): Schmidt, Paul; Eichenberger, Kurt; Wilhelm, Max
PATENT ASSIGNEE(S): CIBA Ltd.
SOURCE: 10 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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GB 937724			GB	
PRIORITY APPLN. INFO.:			CH	19600511 <--

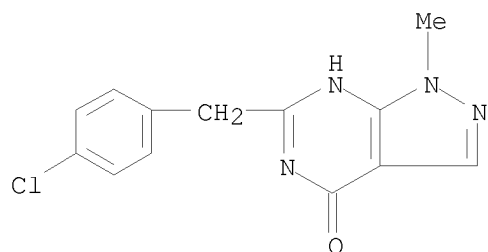
IT 91803-32-6P, 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-benzyl-1-methyl-
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6-(p-chlorobenzyl)-1-methyl- 92193-40-3P, 1H-Pyrazolo[3,4-
d]pyrimidine-1-ethanol, 6-benzyl-4-hydroxy- 92553-22-5P,
1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-(p-chlorobenzyl)-1-isopropyl-
93022-43-6P, 1H-Pyrazolo[3,4-d]pyrimidin-4-ol,
6-benzyl-1-sec-butyl- 93022-45-8P, 1H-Pyrazolo[3,4-d]pyrimidin-4-
ol, 1-isopropyl-6-phenethyl- 93022-51-6P, 1H-Pyrazolo[3,4-
d]pyrimidin-4-ol, 1-isopropyl-6-(o-methoxybenzyl)- 93022-79-8P,
1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 1-methyl-6-(3,4,5-trimethoxybenzyl)-
93726-15-9P, 1H-Pyrazolo[3,4-d]pyrimidin-4-ol,
6-benzyl-1-(1,2-dimethylpropyl)- 93726-16-0P,
1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-benzyl-1-(1-ethylpropyl)-
93726-17-1P, 1H-Pyrazolo[3,4-d]pyrimidin-4-ol,
6-(α-ethylbenzyl)-1-isopropyl- 93726-25-1P,
1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-(p-ethoxybenzyl)-1-isopropyl-
94000-61-0P, 1H-Pyrazolo[3,4-d]pyrimidin-4-ol,
1-isopropyl-6-salicyl- 94263-95-3P, 1H-Pyrazolo[3,4-d]pyrimidin-
4-ol, 1-isopropyl-6-(3,4,5-trimethoxybenzyl)- 94707-90-1P,
1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 1-isopropyl-6-(m-methoxybenzyl)-
94804-42-9P, 1H-Pyrazolo[3,4-d]pyrimidin-4-ol,
1-isopropyl-6-(3-methoxy-2-methylbenzyl)- 95158-25-1P,
1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-benzyl-1-(3-ethoxy-1-methylpropyl)-
95168-04-0P, 1H-Pyrazolo[3,4-d]pyrimidin-4-ol,
6-(2,3-dimethoxybenzyl)-1-methyl- 96001-11-5P,
1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-(diphenylmethyl)-1-isopropyl-
RL: PREP (Preparation)
(preparation of)
RN 91803-32-6 CAPLUS
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-methyl-6-(phenylmethyl)-

(CA INDEX NAME)



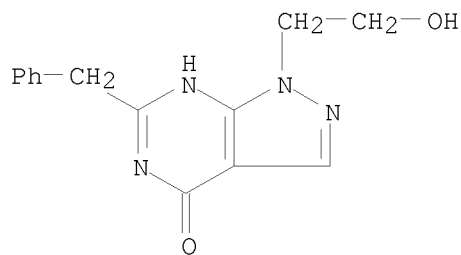
RN 92023-17-1 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-(p-chlorobenzyl)-1,5-dihydro-1-methyl- (7CI) (CA INDEX NAME)



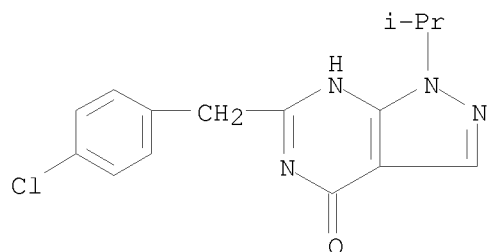
RN 92193-40-3 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-benzyl-1,5-dihydro-1-(2-hydroxyethyl)- (7CI) (CA INDEX NAME)

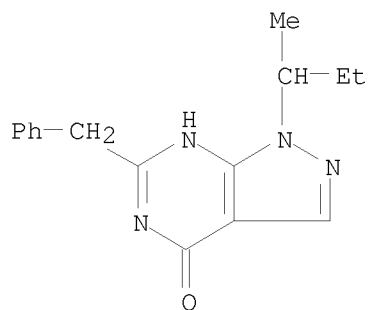


RN 92553-22-5 CAPLUS

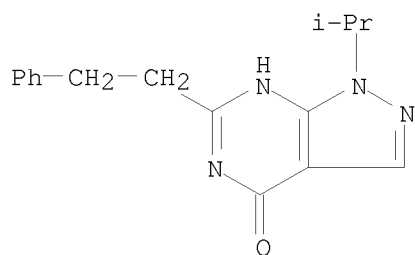
CN 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-(p-chlorobenzyl)-1-isopropyl- (7CI) (CA INDEX NAME)



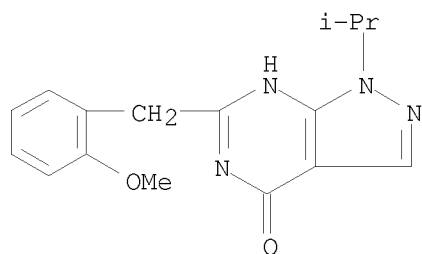
RN 93022-43-6 CAPLUS
 CN 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-benzyl-1-sec-butyl- (7CI) (CA INDEX NAME)



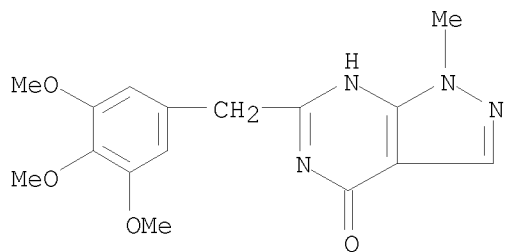
RN 93022-45-8 CAPLUS
 CN 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 1-isopropyl-6-phenethyl- (7CI) (CA INDEX NAME)



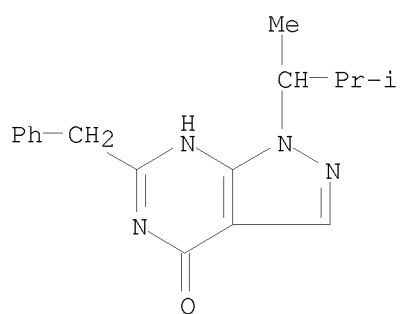
RN 93022-51-6 CAPLUS
 CN 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 1-isopropyl-6-(o-methoxybenzyl)- (7CI) (CA INDEX NAME)



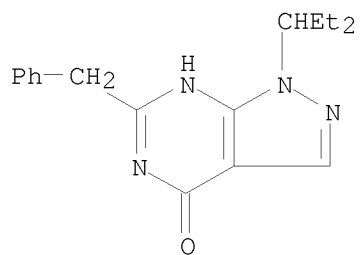
RN 93022-79-8 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-methyl-6-(3,4,5-trimethoxybenzyl)- (7CI) (CA INDEX NAME)



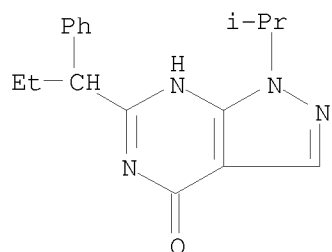
RN 93726-15-9 CAPLUS
 CN 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-benzyl-1-(1,2-dimethylpropyl)- (7CI)
 (CA INDEX NAME)



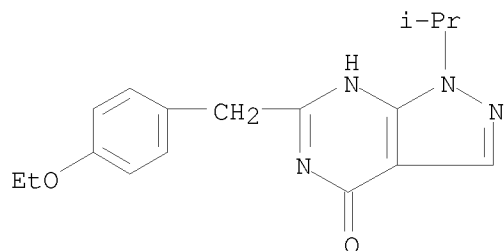
RN 93726-16-0 CAPLUS
 CN 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-benzyl-1-(1-ethylpropyl)- (7CI) (CA
 INDEX NAME)



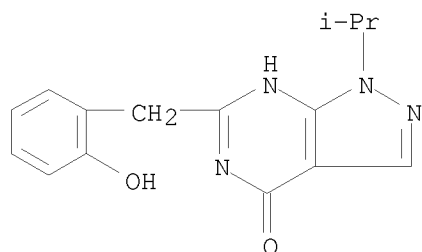
RN 93726-17-1 CAPLUS
 CN 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-(alpha-ethylbenzyl)-1-isopropyl-
 (7CI) (CA INDEX NAME)



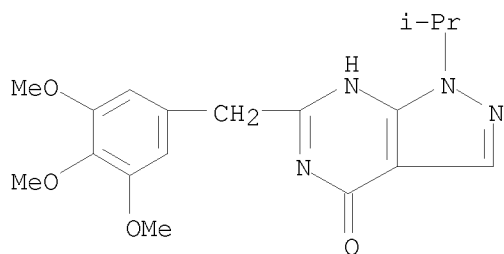
RN 93726-25-1 CAPLUS
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-(p-ethoxybenzyl)-1,5-dihydro-1-isopropyl- (7CI) (CA INDEX NAME)



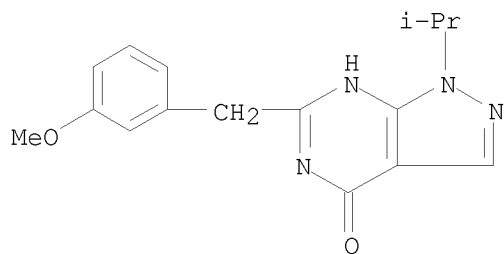
RN 94000-61-0 CAPLUS
CN 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 1-isopropyl-6-salicyl- (7CI) (CA INDEX NAME)



RN 94263-95-3 CAPLUS
CN 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 1-isopropyl-6-(3,4,5-trimethoxybenzyl)- (7CI) (CA INDEX NAME)

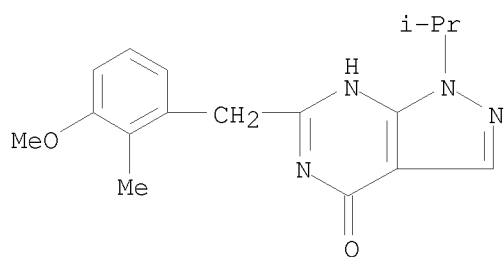


RN 94707-90-1 CAPLUS
CN 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 1-isopropyl-6-(m-methoxybenzyl)- (7CI) (CA INDEX NAME)



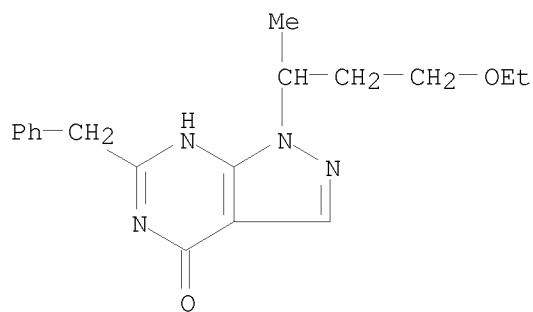
RN 94804-42-9 CAPLUS

CN 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 1-isopropyl-6-(3-methoxy-2-methylbenzyl)-
(7CI) (CA INDEX NAME)



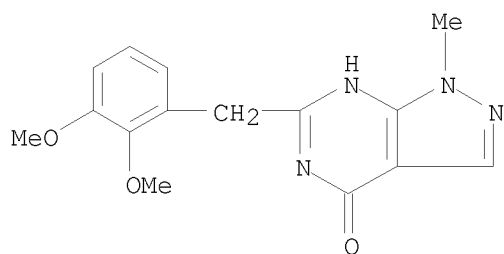
RN 95158-25-1 CAPLUS

CN 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-benzyl-1-(3-ethoxy-1-methylpropyl)-
(7CI) (CA INDEX NAME)

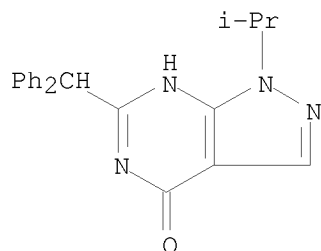


RN 95168-04-0 CAPLUS

CN 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-(2,3-dimethoxybenzyl)-1-methyl- (7CI)
(CA INDEX NAME)



RN 96001-11-5 CAPLUS
 CN 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-(diphenylmethyl)-1-isopropyl- (7CI)
 (CA INDEX NAME)



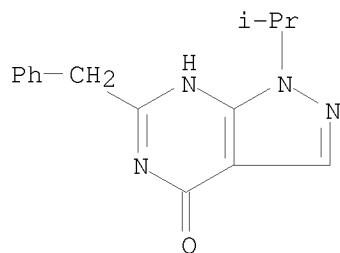
L5 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1963:469189 CAPLUS
 DOCUMENT NUMBER: 59:69189
 ORIGINAL REFERENCE NO.: 59:12820a-h,12821a
 TITLE: Pyrazolo[3,4-d]pyrimidines
 INVENTOR(S): Schmidt, Paul; Eichenberger, Kurt; Wilhelm, Max
 PATENT ASSIGNEE(S): CIBA Ltd.
 SOURCE: 7 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

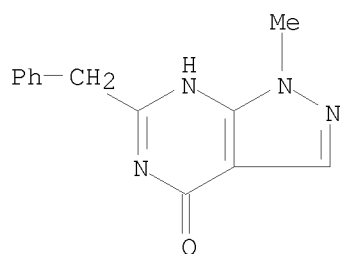
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1149013		19630522	DE	<--
PRIORITY APPLN. INFO.:			CH	19600511 <--
IT 5494-84-8				

(Derived from data in the 7th Collective Formula Index (1962-1966))

RN 5494-84-8 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-(1-methylethyl)-6-(phenylmethyl)- (CA INDEX NAME)

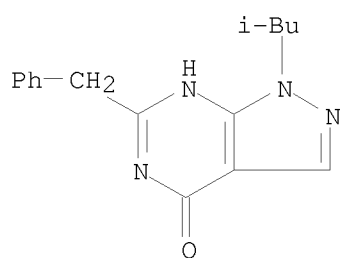


IT 91803-32-6P, 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-benzyl-1-methyl-
 93022-44-7P, 1H-Pyrazolo[3,4-d]pyrimidin-4-ol,
 6-benzyl-1-isobutyl- 94331-62-1P, 1H-Pyrazolo[3,4-d]pyrimidin-4-
 ol, 6-benzyl-1-phenyl- 96001-11-5P, 1H-Pyrazolo[3,4-d]pyrimidin-
 4-ol, 6-(diphenylmethyl)-1-isopropyl-
 RL: PREP (Preparation)
 (preparation of)
 RN 91803-32-6 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-methyl-6-(phenylmethyl)-
 (CA INDEX NAME)



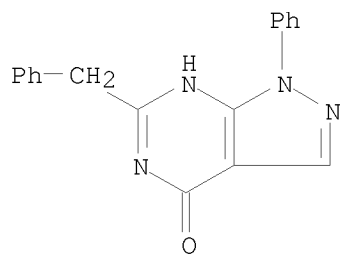
RN 93022-44-7 CAPLUS

CN 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-benzyl-1-isobutyl- (7CI) (CA INDEX NAME)



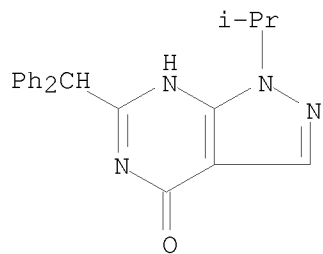
RN 94331-62-1 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-phenyl-6-(phenylmethyl)- (CA INDEX NAME)



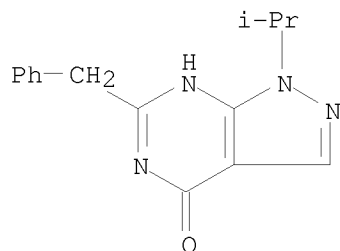
RN 96001-11-5 CAPLUS

CN 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-(diphenylmethyl)-1-isopropyl- (7CI) (CA INDEX NAME)



L5 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1963:469188 CAPLUS
 DOCUMENT NUMBER: 59:69188
 ORIGINAL REFERENCE NO.: 59:12819d-h,12820a
 TITLE: 4H-Pyrido[1,2-a]pyrimidin-4-ones
 INVENTOR(S): Allen, Robert E.
 PATENT ASSIGNEE(S): Cutter Laboratories, Inc.
 SOURCE: 27 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
BE 621702		19621214	BE	<--
FR M2201			FR	
GB 970439			GB	
US 3149112		1964	US	<--
PRIORITY APPLN. INFO.:			US	19610906 <--
OTHER SOURCE(S):	MARPAT 59:69188			
IT 5494-84-8				
(Derived from data in the 7th Collective Formula Index (1962-1966))				
RN 5494-84-8 CAPLUS				
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-(1-methylethyl)-6-(phenylmethyl)- (CA INDEX NAME)				

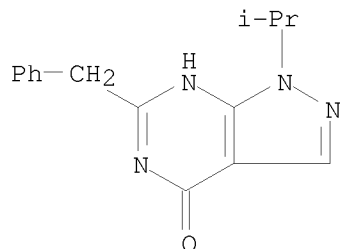


L5 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1963:462450 CAPLUS
 DOCUMENT NUMBER: 59:62450
 ORIGINAL REFERENCE NO.: 59:11529e-g
 TITLE: 1 - Isopropyl- 4 - hydroxy - 6 - benzylpyrazolo [3,4 - d] pyrimidine
 INVENTOR(S): Schmidt, Paul; Eichenberger, Kurt; Wilhelm, Max
 PATENT ASSIGNEE(S): CIBA Ltd.
 SOURCE: 5 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

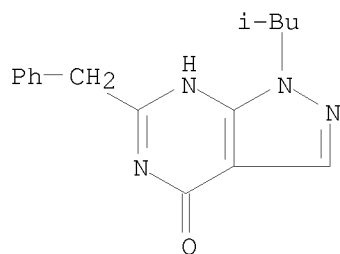
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1147234		19630418	DE	<--
CH 390264			CH	
CH 398626			CH	
CH 403786			CH	
GB 937722			GB	
GB 937723			GB	

US 3165520 1965 US <--
 US 3169965 1965 US <--
 US 3211731 19651012 US 1961-107906 19610505 <--
 US 3211732 1965 US <--
 PRIORITY APPLN. INFO.: CH 19600511 <--

IT 5494-84-8
 (Derived from data in the 7th Collective Formula Index (1962-1966))
 RN 5494-84-8 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-(1-methylethyl)-6-(phenylmethyl)- (CA INDEX NAME)



IT 93022-44-7P, 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-benzyl-1-isobutyl-
 RL: PREP (Preparation)
 (preparation of)
 RN 93022-44-7 CAPLUS
 CN 1H-Pyrazolo[3,4-d]pyrimidin-4-ol, 6-benzyl-1-isobutyl- (7CI) (CA INDEX NAME)



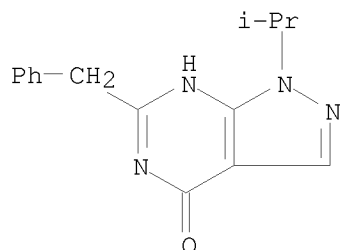
L5 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1963:462449 CAPLUS
 DOCUMENT NUMBER: 59:62449
 ORIGINAL REFERENCE NO.: 59:11529d-e
 TITLE: Dipyriddylium quaternary salts
 INVENTOR(S): Jubbs, Anthony H.
 PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.
 SOURCE: 3 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 926326		19630515	GB 1959-28654	19590821 <--
PRIORITY APPLN. INFO.:			GB	19590821 <--
IT 5494-84-8				

(Derived from data in the 7th Collective Formula Index (1962-1966))

RN 5494-84-8 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-(1-methylethyl)-6-(phenylmethyl)- (CA INDEX NAME)



L5 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1963:408986 CAPLUS

DOCUMENT NUMBER: 59:8986

ORIGINAL REFERENCE NO.: 59:1635g-h

TITLE: New synthesis of pyrazolo[3,4-d]pyrimidines with dilatory effect on coronary vessels

AUTHOR(S): Schmidt, Paul; Eichenberger, Kurt; Wilhelm, Max; Burckhardt, Christoph A.

CORPORATE SOURCE: CIBA S. A., Basel, Switz.

SOURCE: Annali di Chimica (Rome, Italy) (1963), 53, 61-9

CODEN: ANCRAI; ISSN: 0003-4592

DOCUMENT TYPE: Journal

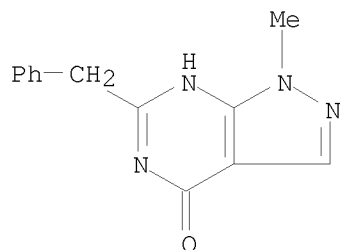
LANGUAGE: French

IT 91803-32-6P, 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-benzyl-1,5-dihydro-1-methyl- 93022-79-8P, 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-methyl-6-(3,4,5-trimethoxybenzyl)- 94331-62-1P, 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-benzyl-1,5-dihydro-1-phenyl-

RL: PREP (Preparation)
(preparation of)

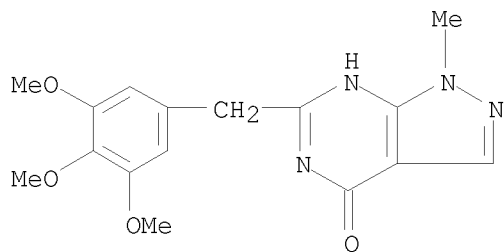
RN 91803-32-6 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-methyl-6-(phenylmethyl)- (CA INDEX NAME)

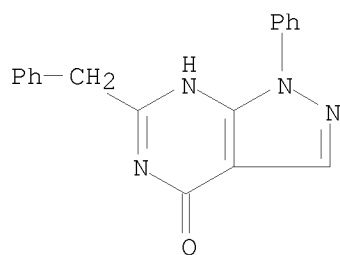


RN 93022-79-8 CAPLUS

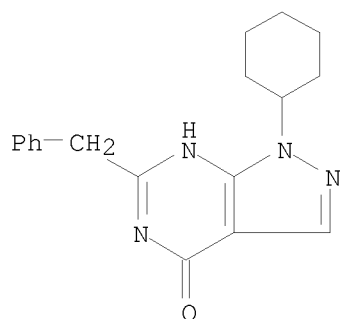
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-methyl-6-(3,4,5-trimethoxybenzyl)- (7CI) (CA INDEX NAME)



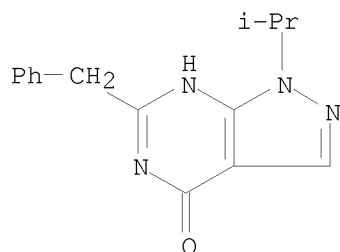
RN 94331-62-1 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-phenyl-6-(phenylmethyl)-
 (CA INDEX NAME)



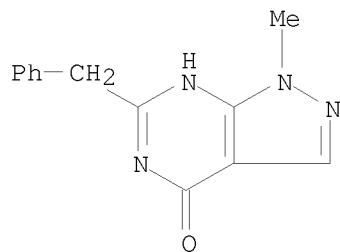
L5 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1962:483251 CAPLUS
 DOCUMENT NUMBER: 57:83251
 ORIGINAL REFERENCE NO.: 57:16611d-i,16612a-e
 TITLE: Chemotherapeutic studies in the heterocyclic series.
 XXXIV. Pyrazolopyrimidines. 5. A new synthesis of
 pyrazolo[3,4-d]pyrimidine with coronary dilating
 properties
 AUTHOR(S): Schmidt, P.; Eichenberger, K.; Wilhelm, M.
 CORPORATE SOURCE: Ciba, Basel, Switz.
 SOURCE: Helvetica Chimica Acta (1962), 45, 1620-7
 CODEN: HCACAV; ISSN: 0018-019X
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 OTHER SOURCE(S): CASREACT 57:83251
 IT 94068-86-7
 (Derived from data in the 7th Collective Formula Index (1962-1966))
 RN 94068-86-7 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-benzyl-1-cyclohexyl-1,5-dihydro-
 (7CI) (CA INDEX NAME)



IT 5494-84-8P, 4H-Pyrazolo[3,4-d]pyrimidin-4-one,
 6-benzyl-1,5-dihydro-1-isopropyl- 91803-32-6P,
 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-benzyl-1,5-dihydro-1-methyl-
 92023-17-1P, 4H-Pyrazolo[3,4-d]pyrimidin-4-one,
 6-(p-chlorobenzyl)-1,5-dihydro-1-methyl- 92193-40-3P,
 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-benzyl-1,5-dihydro-1-(2-hydroxyethyl)-
 93022-79-8P, 4H-Pyrazolo[3,4-d]pyrimidin-4-one,
 1,5-dihydro-1-methyl-6-(3,4,5-trimethoxybenzyl)- 93726-25-1P,
 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-(p-ethoxybenzyl)-1,5-dihydro-1-
 isopropyl- 94331-62-1P, 4H-Pyrazolo[3,4-d]pyrimidin-4-one,
 6-benzyl-1,5-dihydro-1-phenyl- 97433-46-0P, 4H-Pyrazolo[3,4-
 d]pyrimidin-4-one, 6-benzyl-1-cyclopentyl-1,5-dihydro-
 RL: PREP (Preparation)
 (preparation of)
 RN 5494-84-8 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-(1-methylethyl)-6-
 (phenylmethyl)- (CA INDEX NAME)

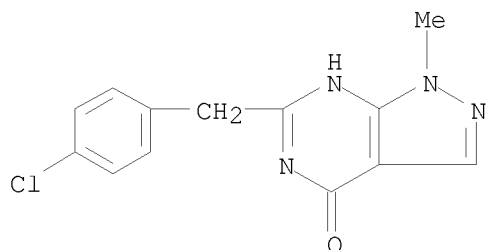


RN 91803-32-6 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-methyl-6-(phenylmethyl)-
 (CA INDEX NAME)



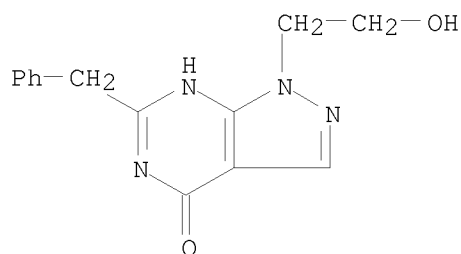
RN 92023-17-1 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-(p-chlorobenzyl)-1,5-dihydro-1-methyl-

(7CI) (CA INDEX NAME)



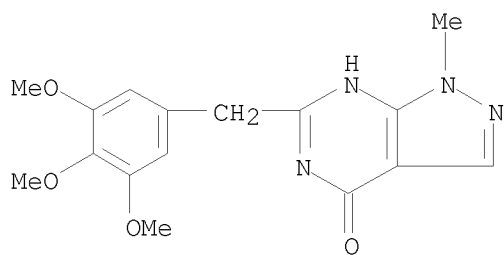
RN 92193-40-3 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-benzyl-1,5-dihydro-1-(2-hydroxyethyl)-
(7CI) (CA INDEX NAME)



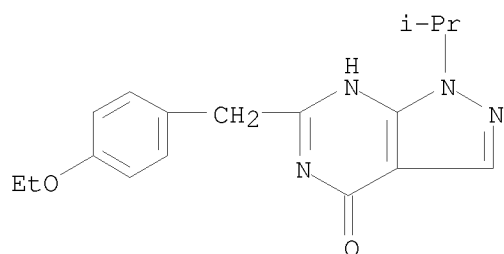
RN 93022-79-8 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-methyl-6-(3,4,5-trimethoxybenzyl)- (7CI) (CA INDEX NAME)

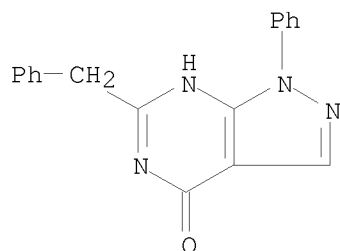


RN 93726-25-1 CAPLUS

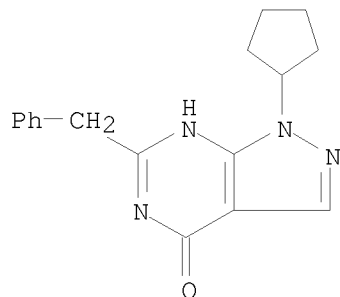
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-(p-ethoxybenzyl)-1,5-dihydro-1-isopropyl- (7CI) (CA INDEX NAME)



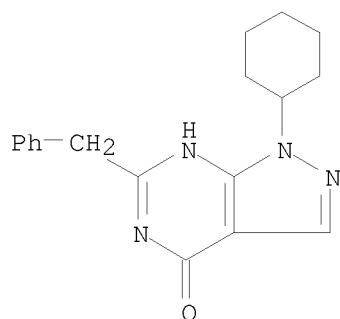
RN 94331-62-1 CAPLUS
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-phenyl-6-(phenylmethyl)-
(CA INDEX NAME)



RN 97433-46-0 CAPLUS
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-benzyl-1-cyclopentyl-1,5-dihydro-
(7CI) (CA INDEX NAME)



L5 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1962:483250 CAPLUS
DOCUMENT NUMBER: 57:83250
ORIGINAL REFERENCE NO.: 57:16609h-i,16610a-i,16611a-d
TITLE: Chemotherapeutic studies in the heterocyclic series.
XXXIII. 1-Aryl-2-alkyl-3,6-dioxo-1,2,3,6-tetrahydropyridazines
AUTHOR(S): Druey, J.; Meier, Kd.; Staehelin, A.
CORPORATE SOURCE: Ciba, Basel, Switz.
SOURCE: Helvetica Chimica Acta (1962), 45, 1485-98
CODEN: HCACAV; ISSN: 0018-019X
DOCUMENT TYPE: Journal
LANGUAGE: German
OTHER SOURCE(S): CASREACT 57:83250
IT 94068-86-7
(Derived from data in the 7th Collective Formula Index (1962-1966))
RN 94068-86-7 CAPLUS
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-benzyl-1-cyclohexyl-1,5-dihydro-
(7CI) (CA INDEX NAME)



Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSPTAJHM1624

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	OCT 02	CA/CAPplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	3	OCT 19	BEILSTEIN updated with new compounds
NEWS	4	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	5	NOV 19	WPIX enhanced with XML display format
NEWS	6	NOV 30	ICSD reloaded with enhancements
NEWS	7	DEC 04	LINPADOCDB now available on STN
NEWS	8	DEC 14	BEILSTEIN pricing structure to change
NEWS	9	DEC 17	USPATOLD added to additional database clusters
NEWS	10	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS	11	DEC 17	DGENE now includes more than 10 million sequences
NEWS	12	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS	13	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS	14	DEC 17	CA/CAPplus enhanced with new custom IPC display formats
NEWS	15	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS	16	JAN 02	STN pricing information for 2008 now available
NEWS	17	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	18	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	19	JAN 28	MARPAT searching enhanced
NEWS	20	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	21	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	22	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS	23	FEB 08	STN Express, Version 8.3, now available
NEWS	24	FEB 20	PCI now available as a replacement to DPCI

NEWS 25 FEB 25 IFIREF reloaded with enhancements
NEWS 26 FEB 25 IMSPRODUCT reloaded with enhancements
NEWS 27 FEB 29 WPINDEX/WPIDS/WPIX enhanced with ECLA and current
U.S. National Patent Classification

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

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NEWS IPC8 For general information regarding STN implementation of IPC 8

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:10:56 ON 17 MAR 2008

=>

Uploading

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Do you want to switch to the Registry File?

Choice (Y/n):

Switching to the Registry File...

Some commands only work in certain files. For example, the EXPAND
command can only be used to look at the index in a file which has an
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 15:11:38 ON 17 MAR 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 16 MAR 2008 HIGHEST RN 1008362-16-0

DICTIONARY FILE UPDATES: 16 MAR 2008 HIGHEST RN 1008362-16-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

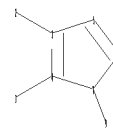
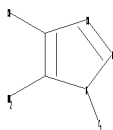
REGISTRY includes numerically searchable data for experimental and

predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10 series\10525115\10525115e.str



chain nodes :

1 2 9

ring nodes :

3 4 5 6 7

chain bonds :

1-4 2-3 7-9

ring bonds :

3-4 3-5 4-7 5-6 6-7

exact/norm bonds :

1-4 3-4 3-5 4-7 5-6 6-7 7-9

exact bonds :
2-3

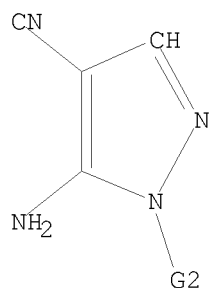
G1:O,S

G2:Cb,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 9:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 O,S
G2 Cb,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 15:13:08 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 506 TO ITERATE

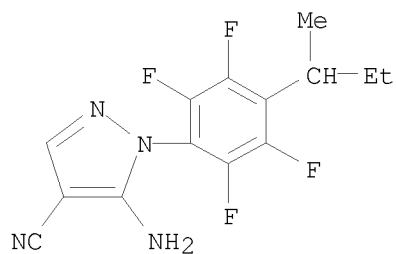
100.0% PROCESSED 506 ITERATIONS 14 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 8771 TO 11469
PROJECTED ANSWERS: 56 TO 504

L2 14 SEA SSS SAM L1

=> d scan

L2 14 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 1H-Pyrazole-4-carbonitrile, 5-amino-1-[2,3,5,6-tetrafluoro-4-(1-methylpropyl)phenyl]-
MF C14 H12 F4 N4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l1 full

FULL SEARCH INITIATED 15:13:31 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 9632 TO ITERATE

100.0% PROCESSED 9632 ITERATIONS

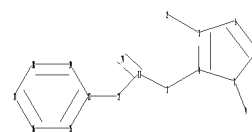
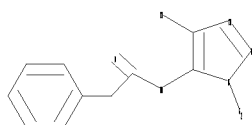
308 ANSWERS

SEARCH TIME: 00.00.01

L3 308 SEA SSS FUL L1

=>

Uploading C:\Program Files\Stnexp\Queries\10 series\10525115\10525115d.str



```

chain nodes :
1  2  9  11 12 14
ring nodes :
3  4  5  6  7 13 15 16 17 18 19
chain bonds :
1-4 1-11 2-3 7-9 11-12 11-14 12-13
ring bonds :
3-4 3-5 4-7 5-6 6-7 13-15 13-19 15-16 16-17 17-18 18-19
exact/norm bonds :
1-4 1-11 3-4 3-5 4-7 5-6 6-7 7-9 11-14
exact bonds :
2-3 11-12 12-13
normalized bonds :
13-15 13-19 15-16 16-17 17-18 18-19

```

G1:O,S

G2:Cb,Ak

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 9:CLASS 11:CLASS 12:CLASS
13:Atom 14:CLASS 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom

L4 STRUCTURE UPLOADED

=> s 14

SAMPLE SEARCH INITIATED 15:13:55 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 5 TO 234

PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=> s 14 full

FULL SEARCH INITIATED 15:13:59 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 132 TO ITERATE

100.0% PROCESSED 132 ITERATIONS

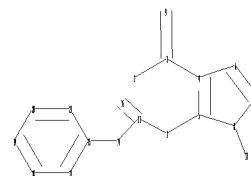
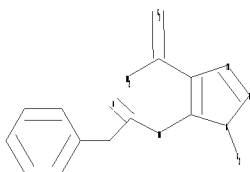
9 ANSWERS

SEARCH TIME: 00.00.01

L6 9 SEA SSS FUL L4

=>

Uploading C:\Program Files\Stnexp\Queries\10 series\10525115\10525115c.str



```

chain nodes :
1  2  3  9  11  13  14  16
ring nodes :
4  5  6  7  8  15  17  18  19  20  21
chain bonds :
1-5  1-13  2-3  3-4  3-9  8-11  13-14  13-16  14-15
ring bonds :
4-5  4-6  5-8  6-7  7-8  15-17  15-21  17-18  18-19  19-20  20-21
exact/norm bonds :
1-5  1-13  2-3  3-9  4-5  4-6  5-8  6-7  7-8  8-11  13-16
exact bonds :
3-4  13-14  14-15
normalized bonds :
15-17  15-21  17-18  18-19  19-20  20-21

```

G1:O,S

G2:Cb,Ak

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:CLASS 11:CLASS
13:CLASS 14:CLASS 15:Atom 16:CLASS 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom

L7 STRUCTURE UPLOADED

=> s 17

SAMPLE SEARCH INITIATED 15:14:19 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L8 0 SEA SSS SAM L7

=> s 17 full

FULL SEARCH INITIATED 15:14:23 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 17 TO ITERATE

100.0% PROCESSED 17 ITERATIONS

0 ANSWERS

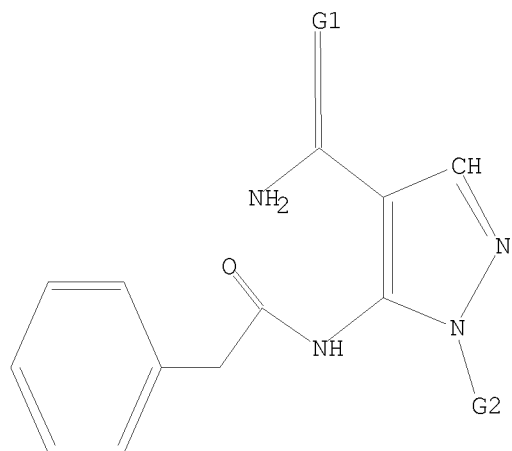
SEARCH TIME: 00.00.01

L9 0 SEA SSS FUL L7

=> d 17

L7 HAS NO ANSWERS

L7 STR



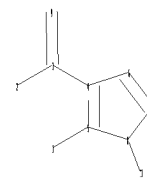
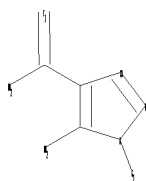
G1 O,S

G2 Cb,Ak

Structure attributes must be viewed using STN Express query preparation.

=>

Uploading C:\Program Files\Stnexp\Queries\10 series\10525115\10525115b.str



```

chain nodes :
1 2 3 9 11
ring nodes :
4 5 6 7 8
chain bonds :
1-5 2-3 3-4 3-9 8-11
ring bonds :
4-5 4-6 5-8 6-7 7-8
exact/norm bonds :
1-5 2-3 3-9 4-5 4-6 5-8 6-7 7-8 8-11
exact bonds :
3-4

```

G1:O,S

G2:Cb,Ak

Match level :

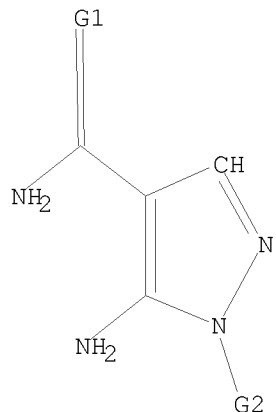
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:CLASS 11:CLASS

L10 STRUCTURE UPLOADED

=> d 110

L10 HAS NO ANSWERS

L10 STR



G1 O,S

G2 Cb,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s 110

SAMPLE SEARCH INITIATED 15:15:10 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 215 TO ITERATE

100.0% PROCESSED 215 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 3421 TO 5179

PROJECTED ANSWERS: 3 TO 163

L11 3 SEA SSS SAM L10

=> s 110 full

FULL SEARCH INITIATED 15:15:14 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 4261 TO ITERATE

100.0% PROCESSED 4261 ITERATIONS

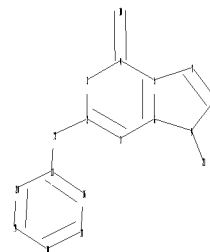
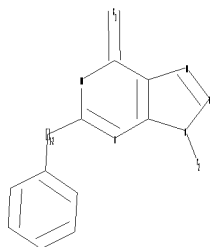
72 ANSWERS

SEARCH TIME: 00.00.01

L12 72 SEA SSS FUL L10

=>

Uploading C:\Program Files\Stnexp\Queries\10 series\10525115\10525115a.str



chain nodes :

10 12 21

ring nodes :

1 2 3 4 5 6 7 8 9 13 16 17 18 19 20

chain bonds :

2-12 4-10 9-21 12-13

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 13-16 13-20 16-17 17-18 18-19
19-20

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 4-10 5-6 5-7 6-9 7-8 8-9 9-21

exact bonds :

2-12 12-13

normalized bonds :

13-16 13-20 16-17 17-18 18-19 19-20

G1:O,S

G2:Cb,Ak

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
12:CLASS 13:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS

L13 STRUCTURE UPLOADED

=> s l13 full

FULL SEARCH INITIATED 15:15:35 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1020 TO ITERATE

100.0% PROCESSED 1020 ITERATIONS

124 ANSWERS

SEARCH TIME: 00.00.01

L14 124 SEA SSS FUL L13

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

892.72

892.93

FILE 'CAPLUS' ENTERED AT 15:15:40 ON 17 MAR 2008

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FILE COVERS 1907 - 17 Mar 2008 VOL 148 ISS 12

FILE LAST UPDATED: 16 Mar 2008 (20080316/ED)

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<http://www.cas.org/infopolicy.html>

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L26 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:996182 CAPLUS
DOCUMENT NUMBER: 141:410967
TITLE: Preparation of 6-arylmethylpyrazolopyrimidines as
PDE9A inhibitors for the treatment of Alzheimer's
disease
INVENTOR(S): Hendrix, Martin; Baerfacker, Lars; Erb, Christina;
Hafner, Frank-Thorsten; Heckroth, Heike; Schauss,
Dagmar; Tersteegen, Adrian; Van Der Staay,
Franz-Josef; Van Kampen, Marja
PATENT ASSIGNEE(S): Bayer Healthcare AG, Germany
SOURCE: PCT Int. Appl., 69 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:
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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2004099210	A1	20041118	WO 2004-EP4412	20040427
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,			

TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
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 SN, TD, TG

DE 10320785	A1	20041125	DE 2003-10320785	20030509
CA 2524898	A1	20041118	CA 2004-2524898	20040427
EP 1628980	A1	20060301	EP 2004-739107	20040427

R: DE, ES, FR, GB, IT

JP 2006525963	T	20061116	JP 2006-505276	20040427
US 2007161662	A1	20070712	US 2006-556437	20061010

PRIORITY APPLN. INFO.:

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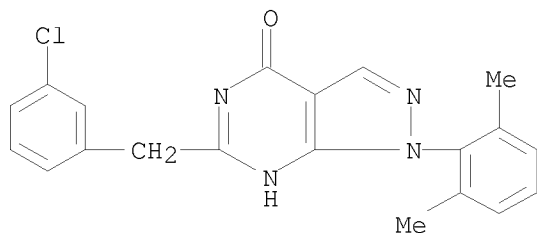
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of arylmethylpyrazolopyrimidines as PDE9A inhibitors for the treatment of Alzheimer's disease)

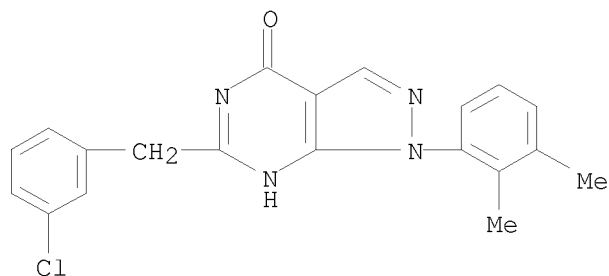
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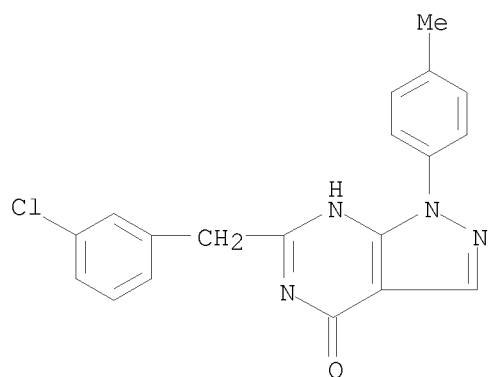
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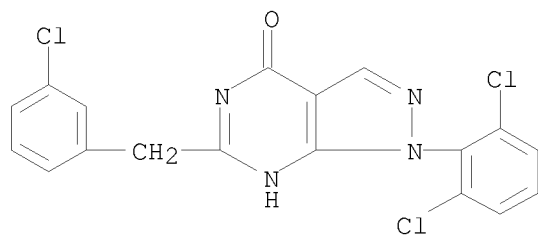
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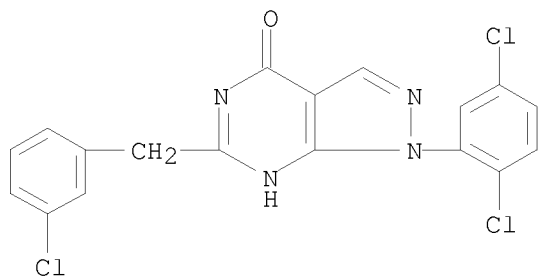
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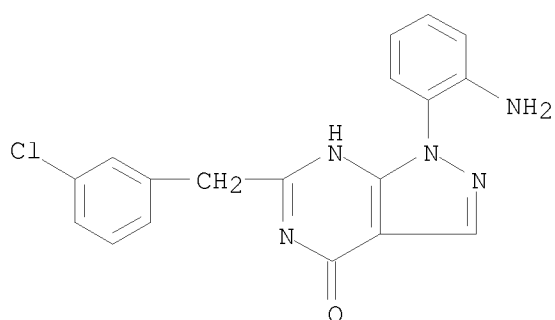
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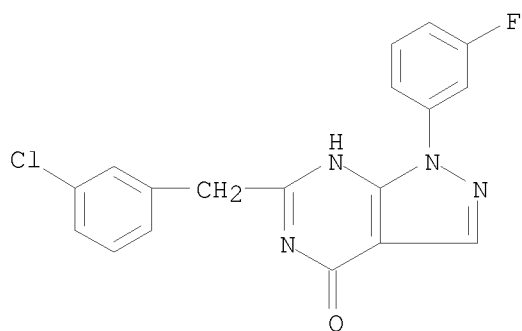
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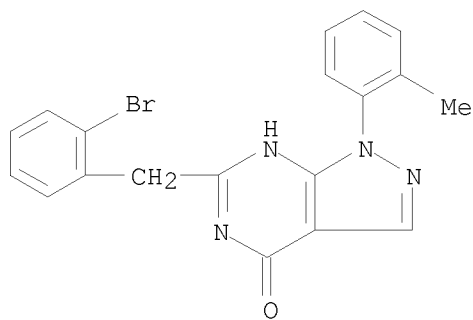
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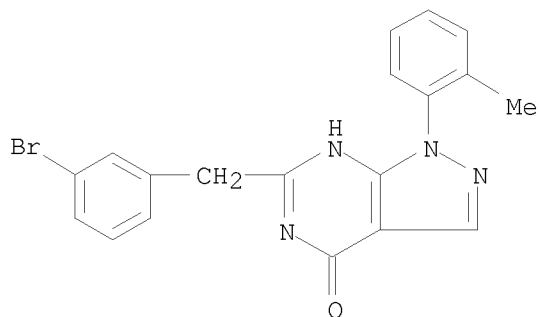


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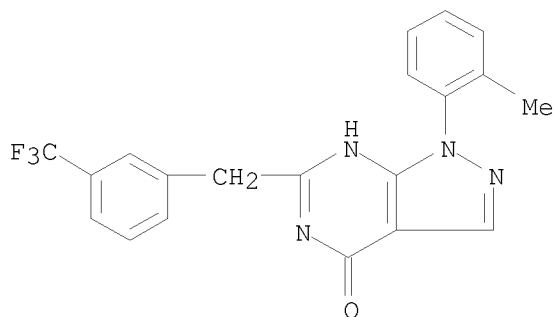
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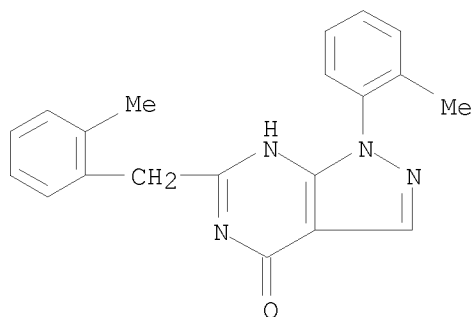
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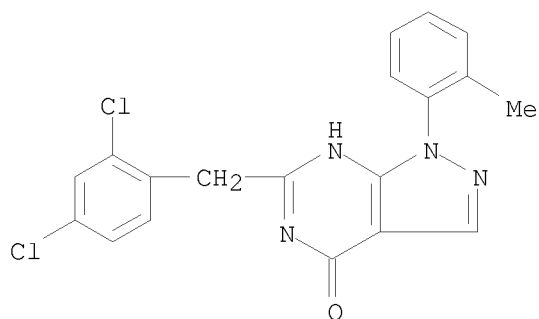
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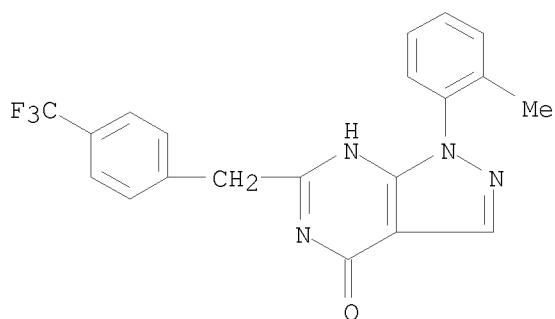
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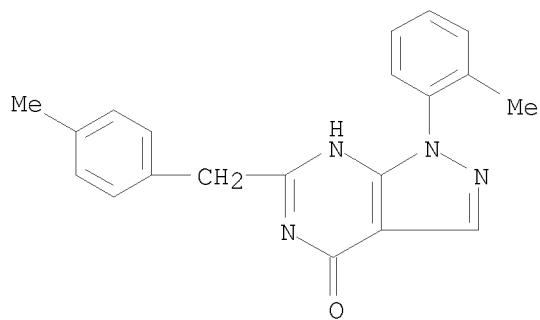
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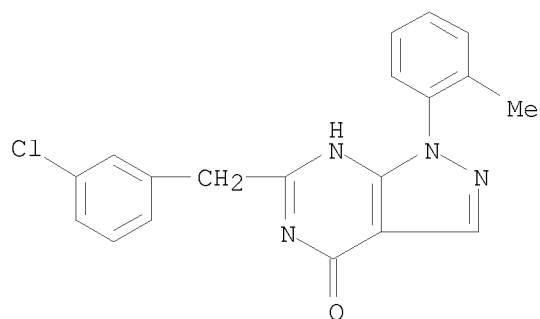
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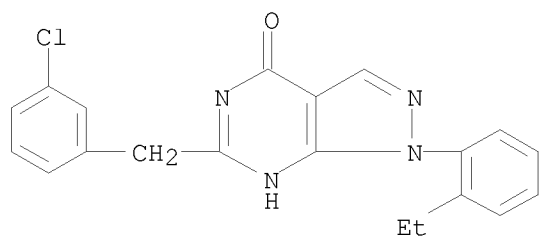
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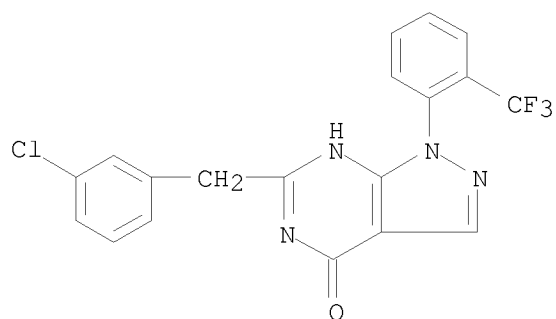
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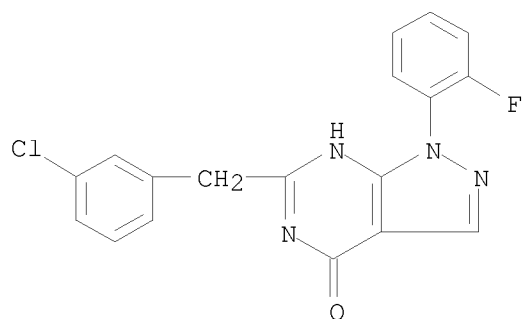
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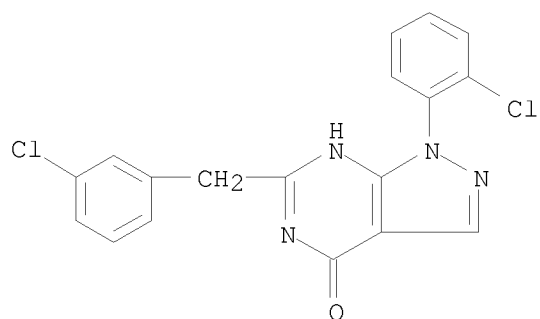
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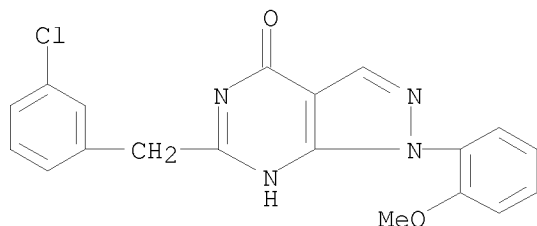
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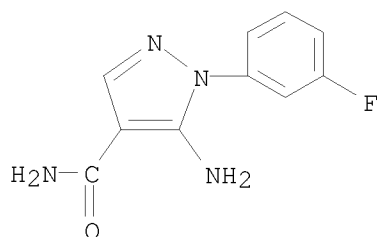
RN 792952-98-8 CAPLUS
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 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of arylmethylpyrazolopyrimidines as PDE9A inhibitors for the treatment of Alzheimer's disease)

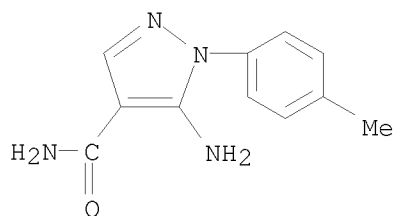
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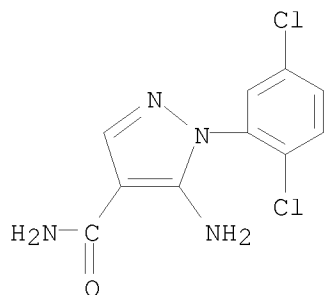
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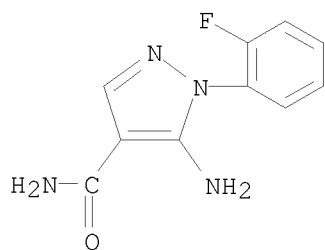


RN 132171-74-5 CAPLUS

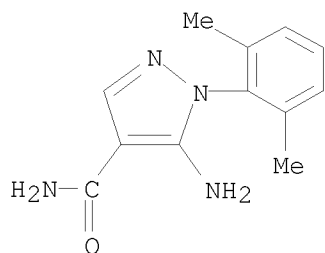
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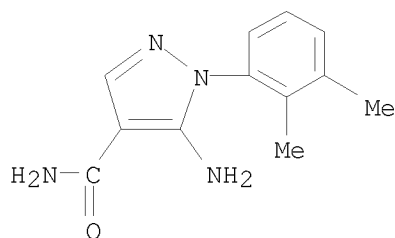
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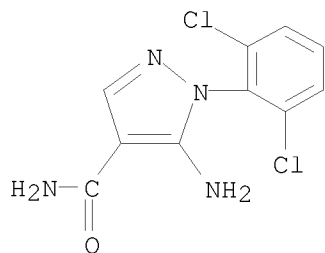
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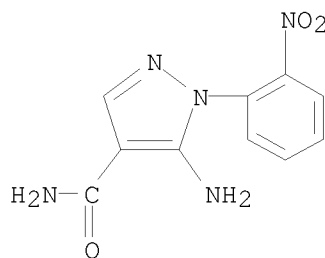
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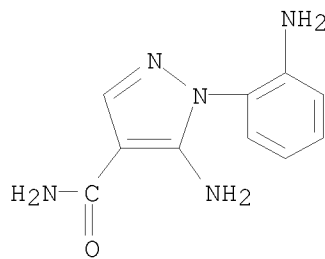
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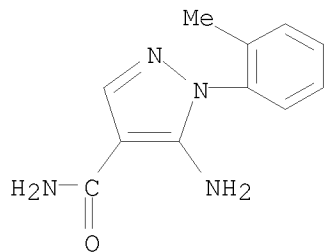
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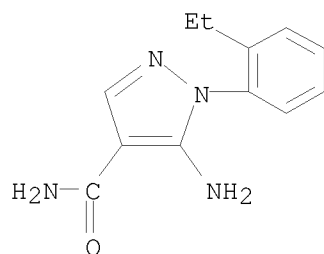


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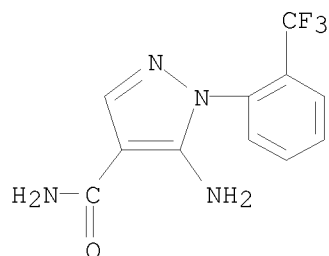
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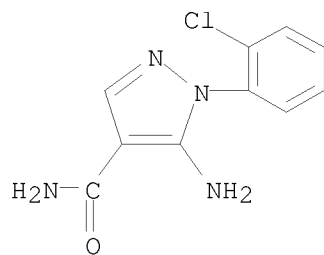
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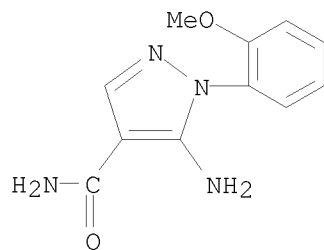
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RN 792953-16-3 CAPLUS

CN 1H-Pyrazole-4-carboxamide, 5-amino-1-(2-methoxyphenyl)- (CA INDEX NAME)



REFERENCE COUNT:

6

THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:934326 CAPLUS

DOCUMENT NUMBER: 141:395571

TITLE: Preparation of pyrazolopyrimidinones as phosphodiesterase 9 (PDE9) inhibitors for treating type 2 diabetes, metabolic syndrome, and cardiovascular disease.

INVENTOR(S): Bell, Andrew Simon; Deninno, Michael Paul; Palmer, Michael John; Visser, Michael Scott

PATENT ASSIGNEE(S): Pfizer Inc., USA

SOURCE: U.S. Pat. Appl. Publ., 26 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2004220186	A1	20041104	US 2004-828485	20040420
WO 2004096811	A1	20041111	WO 2004-IB1796	20040421
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
NL 1026091	A1	20041102	NL 2004-1026091	20040429
NL 1026091	C2	20050526		
PRIORITY APPLN. INFO.:			US 2003-466639P	P 20030430
			US 2004-828485	A 20040420

OTHER SOURCE(S): MARPAT 141:395571

IT 787618-74-0P 787618-76-2P 787618-84-2P

787618-85-3P 787618-86-4P 787618-87-5P

787618-88-6P 787618-89-7P 787618-90-0P

787618-92-2P 787618-97-7P 787619-14-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU

(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

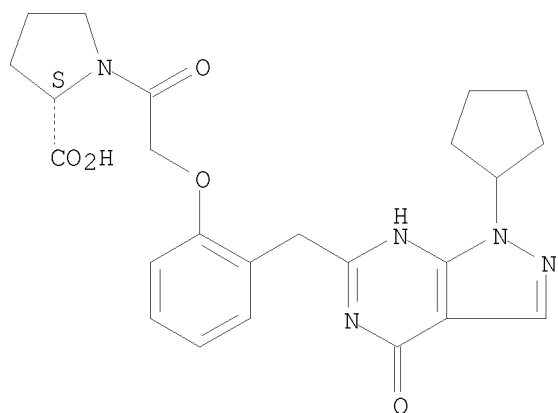
(Uses)

(claimed compound; preparation of pyrazolopyrimidinones as PDE9 inhibitors for treating type 2 diabetes, metabolic syndrome, and cardiovascular disease)

RN 787618-74-0 CAPLUS

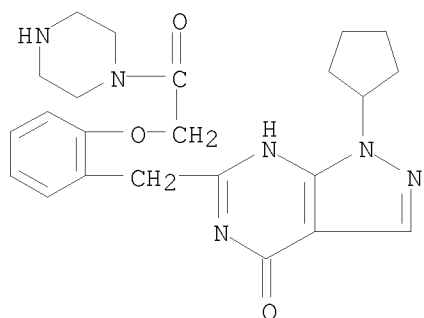
CN L-Proline, 1-[[2-[(1-cyclopentyl-4,5-dihydro-4-oxo-1H-pyrazolo[3,4-d]pyrimidin-6-yl)methyl]phenoxy]acetyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 787618-76-2 CAPLUS

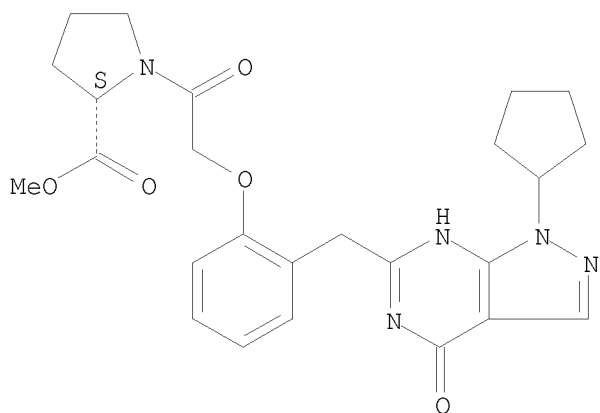
CN Piperazine, 1-[[2-[(1-cyclopentyl-4,5-dihydro-4-oxo-1H-pyrazolo[3,4-d]pyrimidin-6-yl)methyl]phenoxy]acetyl]- (9CI) (CA INDEX NAME)



RN 787618-84-2 CAPLUS

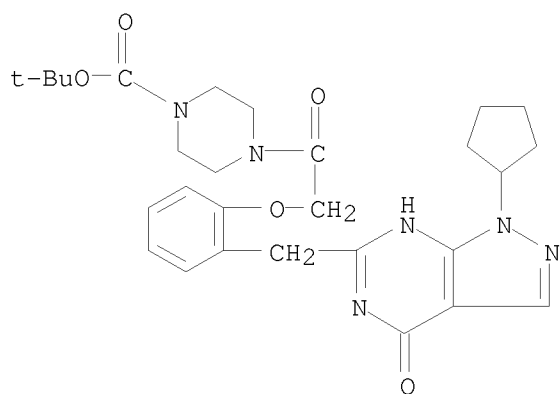
CN L-Proline, 1-[[2-[(1-cyclopentyl-4,5-dihydro-4-oxo-1H-pyrazolo[3,4-d]pyrimidin-6-yl)methyl]phenoxy]acetyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



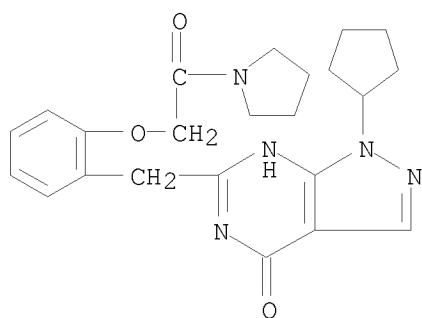
RN 787618-85-3 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[[2-[(1-cyclopentyl-4,5-dihydro-4-oxo-1H-pyrazolo[3,4-d]pyrimidin-6-yl)methyl]phenoxy]acetyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



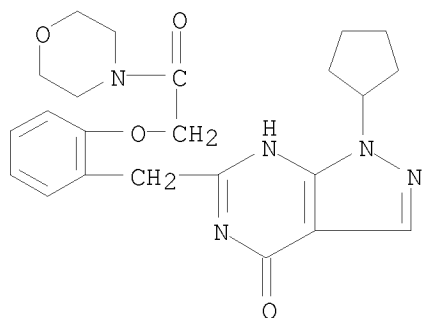
RN 787618-86-4 CAPLUS

CN Pyrrolidine, 1-[[2-[(1-cyclopentyl-4,5-dihydro-4-oxo-1H-pyrazolo[3,4-d]pyrimidin-6-yl)methyl]phenoxy]acetyl]- (9CI) (CA INDEX NAME)



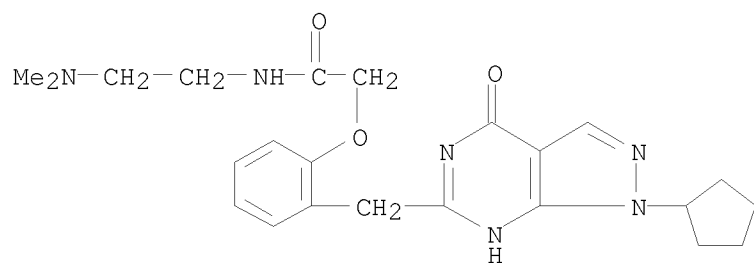
RN 787618-87-5 CAPLUS

CN Morpholine, 4-[[2-[(1-cyclopentyl-4,5-dihydro-4-oxo-1H-pyrazolo[3,4-d]pyrimidin-6-yl)methyl]phenoxy]acetyl]- (9CI) (CA INDEX NAME)



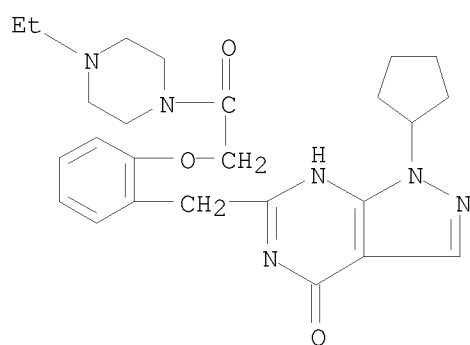
RN 787618-88-6 CAPLUS

CN Acetamide, 2-[2-[(1-cyclopentyl-4,5-dihydro-4-oxo-1H-pyrazolo[3,4-d]pyrimidin-6-yl)methyl]phenoxy]-N-[2-(dimethylamino)ethyl]- (CA INDEX NAME)



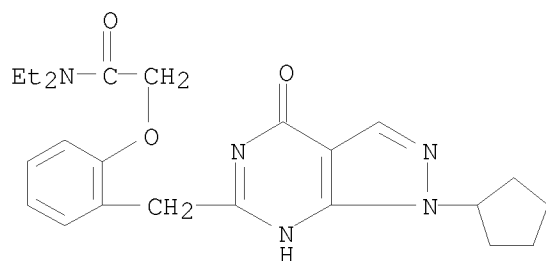
RN 787618-89-7 CAPLUS

CN Piperazine, 1-[[2-[(1-cyclopentyl-4,5-dihydro-4-oxo-1H-pyrazolo[3,4-d]pyrimidin-6-yl)methyl]phenoxy]acetyl]-4-ethyl- (9CI) (CA INDEX NAME)



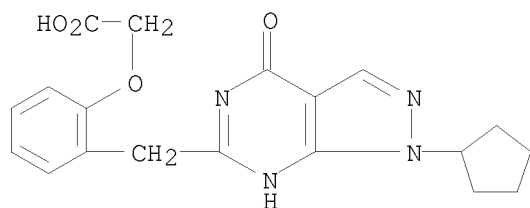
RN 787618-90-0 CAPLUS

CN Acetamide, 2-[2-[(1-cyclopentyl-4,5-dihydro-4-oxo-1H-pyrazolo[3,4-d]pyrimidin-6-yl)methyl]phenoxy]-N,N-diethyl- (CA INDEX NAME)



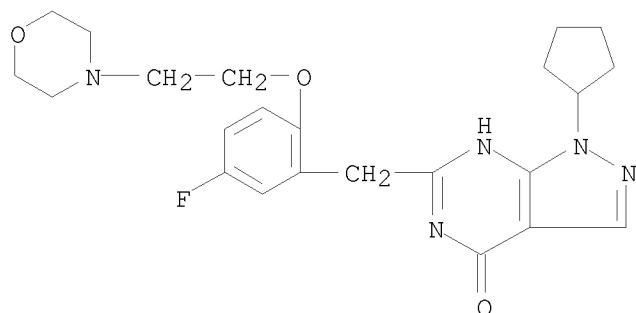
RN 787618-92-2 CAPLUS

CN Acetic acid, [2-[(1-cyclopentyl-4,5-dihydro-4-oxo-1H-pyrazolo[3,4-d]pyrimidin-6-yl)methyl]phenoxy]- (9CI) (CA INDEX NAME)



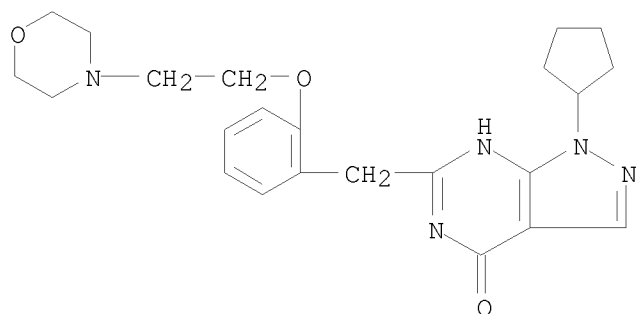
RN 787618-97-7 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1-cyclopentyl-6-[[5-fluoro-2-[2-(4-morpholinyl)ethoxy]phenyl]methyl]-1,5-dihydro- (CA INDEX NAME)



RN 787619-14-1 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1-cyclopentyl-1,5-dihydro-6-[[2-[2-(4-morpholinyl)ethoxy]phenyl]methyl]- (CA INDEX NAME)



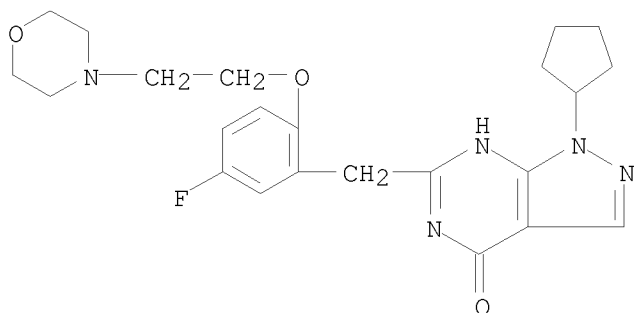
IT 787619-25-4P 787619-37-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of pyrazolopyrimidinones as PDE9 inhibitors for treating type 2 diabetes, metabolic syndrome, and cardiovascular disease)

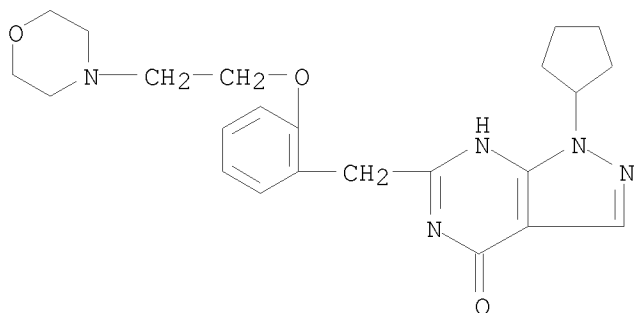
RN 787619-25-4 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1-cyclopentyl-6-[[5-fluoro-2-[2-(4-morpholinyl)ethoxy]phenyl]methyl]-1,5-dihydro-, monohydrochloride (9CI) (CA INDEX NAME)



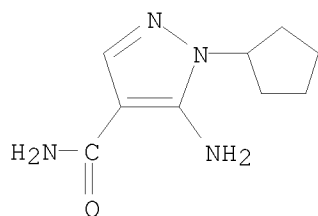
● HCl

RN 787619-37-8 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1-cyclopentyl-1,5-dihydro-6-[[2-[2-(4-morpholinyl)ethoxy]phenyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

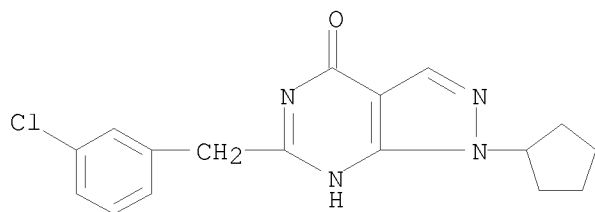
IT 666235-33-2P, 5-Amino-1-cyclopentyl-1H-pyrazole-4-carboxylic acid amide
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of pyrazolopyrimidinones as PDE9 inhibitors for treating type 2 diabetes, metabolic syndrome, and cardiovascular disease)
 RN 666235-33-2 CAPLUS
 CN 1H-Pyrazole-4-carboxamide, 5-amino-1-cyclopentyl- (CA INDEX NAME)



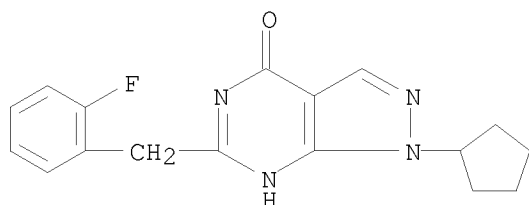
L26 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:182883 CAPLUS
DOCUMENT NUMBER: 140:217660
TITLE: Preparation of 6-benzylpyrazolo[3,4-d]pyrimidin-4-ones
as phosphodiesterase-9A (PDE9A) inhibitors.
INVENTOR(S): Hendrix, Martin; Boess, Frank-Gerhard; Burkhardt,
Nils; Erb, Christina; Tersteegen, Adrian; Van Kampen,
Marja
PATENT ASSIGNEE(S): Bayer Healthcare A.-G., Germany
SOURCE: PCT Int. Appl., 56 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

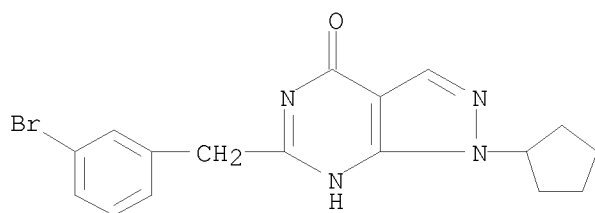
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DE 10238723	A1	20040311	DE 2002-10238723	20020823
CA 2496194	A1	20040304	CA 2003-2496194	20030812
AU 2003258601	A1	20040311	AU 2003-258601	20030812
EP 1534711	A1	20050601	EP 2003-792301	20030812
EP 1534711	B1	20060419		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
JP 2006507242	T	20060302	JP 2004-530129	20030812
ES 2263057	T3	20061201	ES 2003-792301	20030812
US 2006106035	A1	20060518	US 2005-525115	20050831
PRIORITY APPLN. INFO.:			DE 2002-10238723	A 20020823
			WO 2003-EP8923	W 20030812
OTHER SOURCE(S):	MARPAT 140:217660			
IT	666235-19-4P 666235-20-7P 666235-21-8P 666235-22-9P 666235-23-0P 666235-24-1P 666235-25-2P 666235-26-3P 666235-27-4P 666235-28-5P 666235-29-6P 666235-30-9P 666235-31-0P 666235-32-1P			
RL:	PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)			
	(preparation of benzylpyrazolopyrimidones as phosphodiesterase-9A (PDE9A) inhibitors)			
RN	666235-19-4 CAPLUS			
CN	4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(3-chlorophenyl)methyl]-1-cyclopentyl-1,5-dihydro- (CA INDEX NAME)			



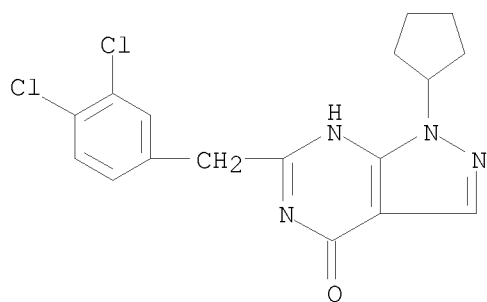
RN 666235-20-7 CAPLUS
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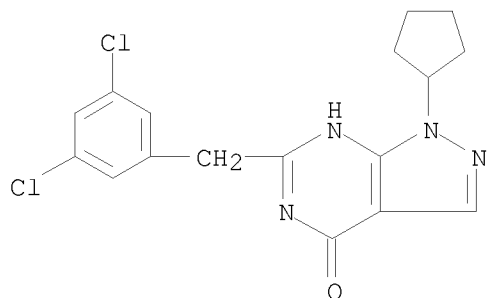
RN 666235-21-8 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(3-bromophenyl)methyl]-1-cyclopentyl-1,5-dihydro- (CA INDEX NAME)



RN 666235-22-9 CAPLUS
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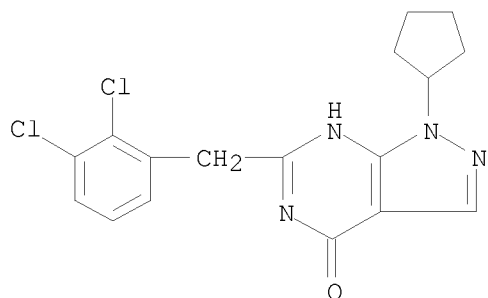


RN 666235-23-0 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1-cyclopentyl-6-[(3,5-dichlorophenyl)methyl]-1,5-dihydro- (CA INDEX NAME)



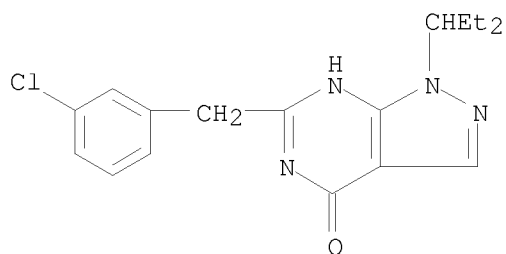
RN 666235-24-1 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1-cyclopentyl-6-[(2,3-dichlorophenyl)methyl]-1,5-dihydro- (CA INDEX NAME)



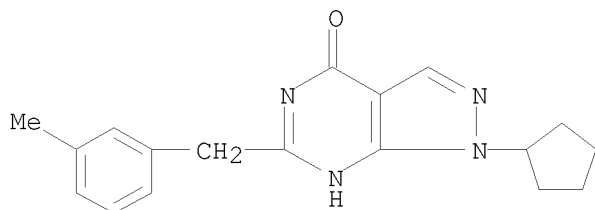
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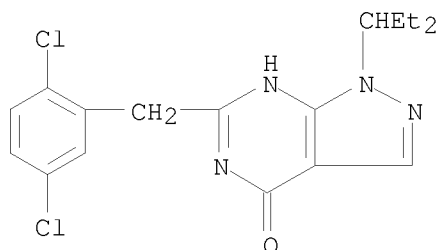


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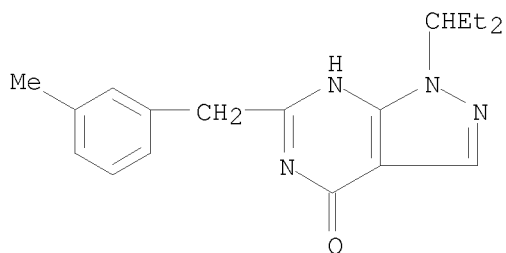
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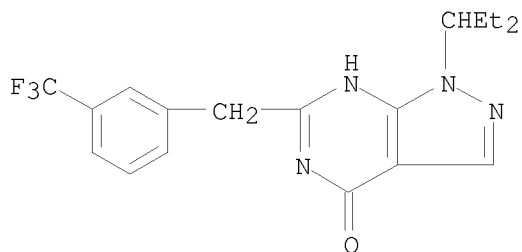
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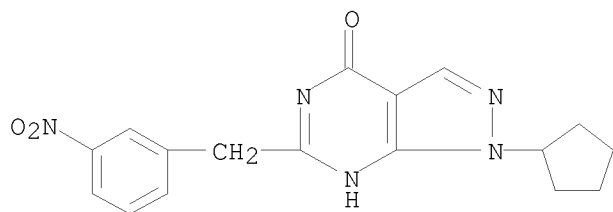
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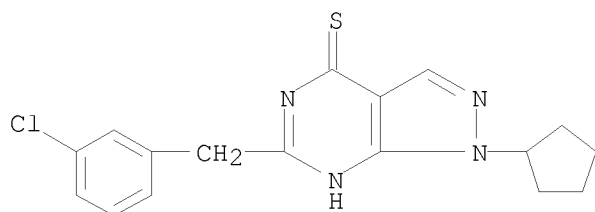
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 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1-(1-ethylpropyl)-1,5-dihydro-6-[[3-(trifluoromethyl)phenyl]methyl]- (CA INDEX NAME)



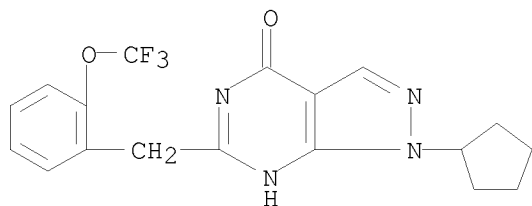
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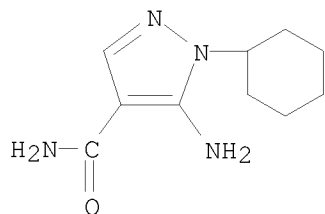
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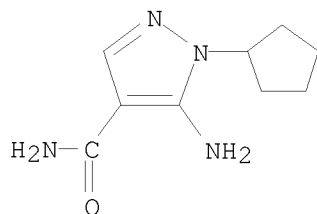
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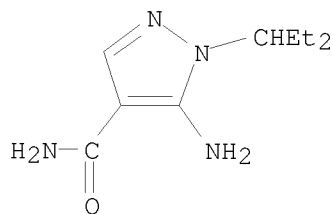
IT 21254-07-9P 666235-33-2P 666235-34-3P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP
 (Preparation); RACT (Reactant or reagent)
 (preparation of benzylpyrazolopyrimidones as phosphodiesterase-9A (PDE9A) inhibitors)
 RN 21254-07-9 CAPLUS
 CN 1H-Pyrazole-4-carboxamide, 5-amino-1-cyclohexyl- (CA INDEX NAME)



RN 666235-33-2 CAPLUS
 CN 1H-Pyrazole-4-carboxamide, 5-amino-1-cyclopentyl- (CA INDEX NAME)



RN 666235-34-3 CAPLUS
 CN 1H-Pyrazole-4-carboxamide, 5-amino-1-(1-ethylpropyl)- (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:621218 CAPLUS

DOCUMENT NUMBER: 129:260471

TITLE: Preparation of pyrazolo[3,4-d]pyrimidinones as phosphodiesterase inhibitors

INVENTOR(S): Haning, Helmut; Niewohner, Ulrich; Rosentreter, Ulrich; Schenke, Thomas; Keldenich, Jorg; Bischoff, Erwin; Schlemmer, Karl-Heinz; Schutz, Helmuth; Thomas, Gunter

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: PCT Int. Appl., 115 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9840384	A1	19980917	WO 1998-EP1086	19980226
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
DE 19709877	A1	19980917	DE 1997-19709877	19970311
CA 2283211	A1	19980917	CA 1998-2283211	19980226
AU 9868240	A	19980929	AU 1998-68240	19980226
AU 727615	B2	20001214		
EP 973774	A1	20000126	EP 1998-913595	19980226
EP 973774	B1	20030122		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

BR 9807995	A	20000308	BR 1998-7995	19980226
NZ 337724	A	20000825	NZ 1998-337724	19980226
HU 2000001805	A2	20001128	HU 2000-1805	19980226
HU 2000001805	A3	20020930		
JP 2001514638	T	20010911	JP 1998-539135	19980226
AT 231509	T	20030215	AT 1998-913595	19980226
ES 2191294	T3	20030901	ES 1998-913595	19980226
RU 2219180	C2	20031220	RU 1999-121518	19980226
US 6174884	B1	20010116	US 1999-367538	19990816
MX 9908179	A	20000228	MX 1999-8179	19990906
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PRIORITY APPLN. INFO.:

DE 1997-19709877	A	19970311
WO 1998-EP1086	W	19980226

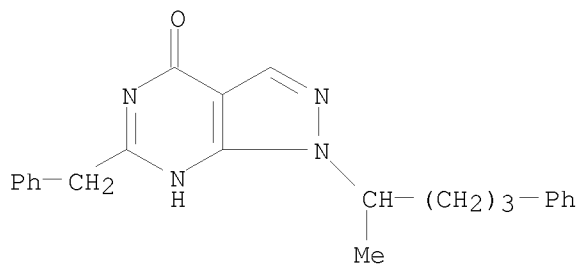
OTHER SOURCE(S): MARPAT 129:260471

IT 213324-17-5P 213324-18-6P 213324-19-7P
 213324-20-0P 213324-21-1P 213324-22-2P
 213324-23-3P 213324-24-4P 213324-25-5P
 213324-26-6P 213324-29-9P 213324-30-2P
 213324-31-3P 213324-32-4P 213324-33-5P
 213324-34-6P 213324-35-7P 213324-36-8P
 213324-37-9P 213324-38-0P 213324-39-1P
 213324-40-4P 213324-41-5P 213324-42-6P
 213324-43-7P 213324-44-8P 213324-45-9P
 213324-46-0P 213324-47-1P 213324-53-9P
 213324-54-0P 213324-56-2P 213324-57-3P
 213324-62-0P 213324-68-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of pyrazolo[3,4-d]pyrimidinones as phosphodiesterase inhibitors)

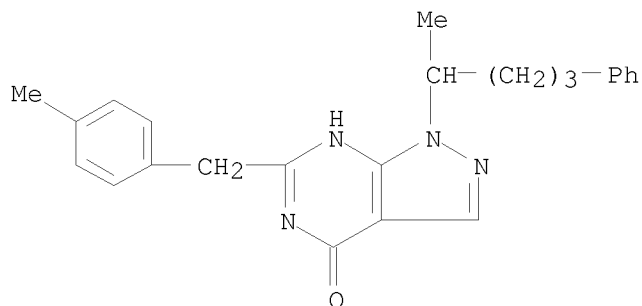
RN 213324-17-5 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-(1-methyl-4-phenylbutyl)-6-(phenylmethyl)- (CA INDEX NAME)



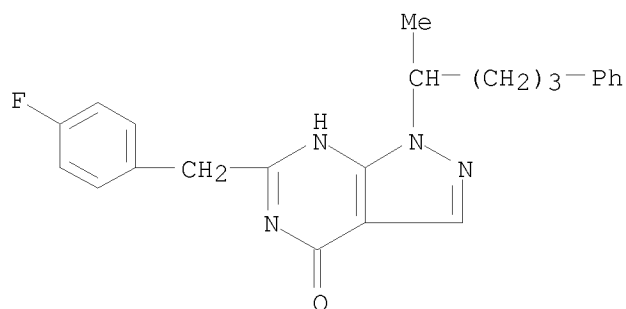
RN 213324-18-6 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-(1-methyl-4-phenylbutyl)-6-[(4-methylphenyl)methyl]- (CA INDEX NAME)



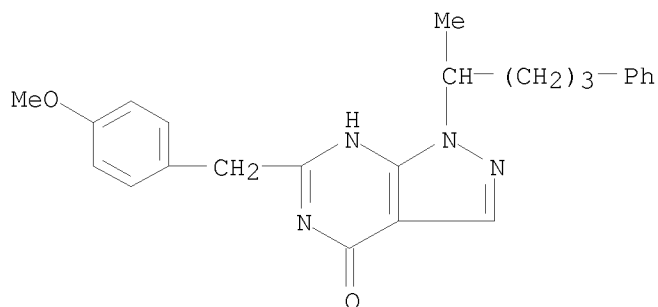
RN 213324-19-7 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-fluorophenyl)methyl]-1,5-dihydro-1-(1-methyl-4-phenylbutyl)- (CA INDEX NAME)



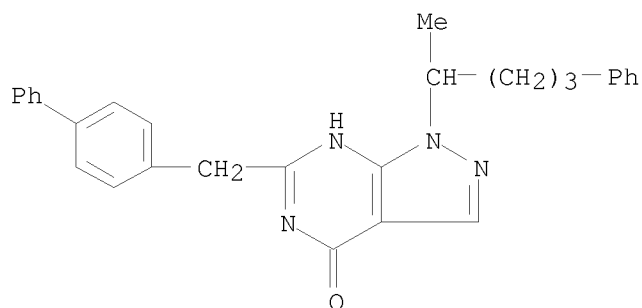
RN 213324-20-0 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-6-[(4-methoxyphenyl)methyl]-1-(1-methyl-4-phenylbutyl)- (CA INDEX NAME)



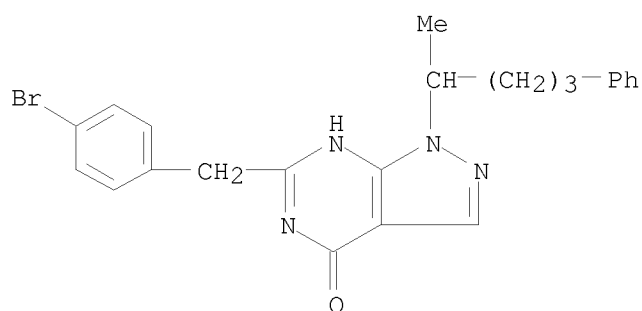
RN 213324-21-1 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-([1,1'-biphenyl]-4-ylmethyl)-1,5-dihydro-1-(1-methyl-4-phenylbutyl)- (CA INDEX NAME)



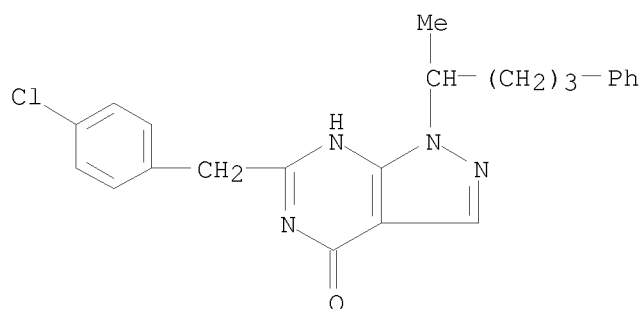
RN 213324-22-2 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-bromophenyl)methyl]-1,5-dihydro-1-(1-methyl-4-phenylbutyl)- (CA INDEX NAME)



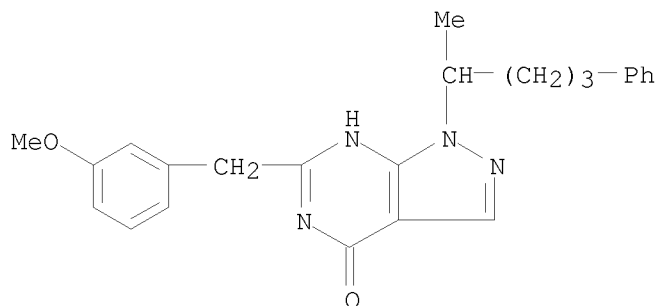
RN 213324-23-3 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-chlorophenyl)methyl]-1,5-dihydro-1-(1-methyl-4-phenylbutyl)- (CA INDEX NAME)



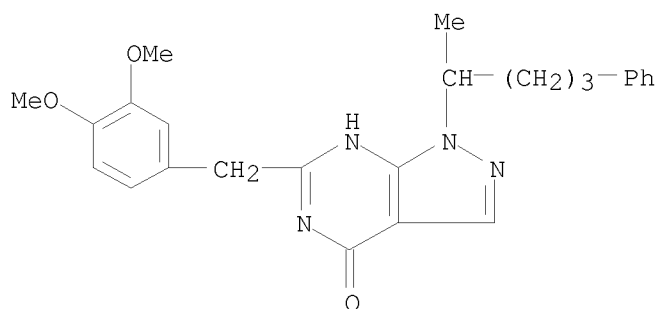
RN 213324-24-4 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-6-[(3-methoxyphenyl)methyl]-1-(1-methyl-4-phenylbutyl)- (CA INDEX NAME)



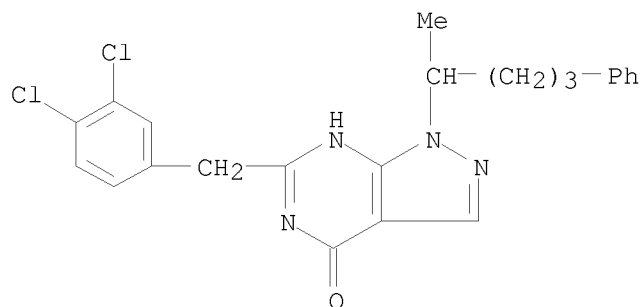
RN 213324-25-5 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(3,4-dimethoxyphenyl)methyl]-1,5-dihydro-1-(1-methyl-4-phenylbutyl)- (CA INDEX NAME)



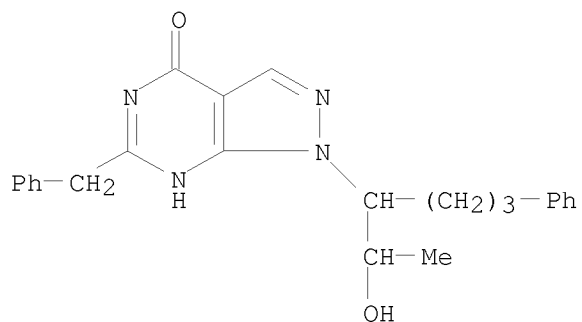
RN 213324-26-6 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(3,4-dichlorophenyl)methyl]-1,5-dihydro-1-(1-methyl-4-phenylbutyl)- (CA INDEX NAME)



RN 213324-29-9 CAPLUS

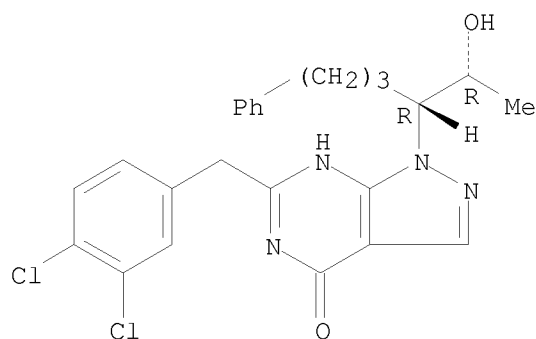
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-[1-(1-hydroxyethyl)-4-phenylbutyl]-6-(phenylmethyl)- (CA INDEX NAME)



RN 213324-30-2 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(3,4-dichlorophenyl)methyl]-1,5-dihydro-1-[(1R)-1-[(1R)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

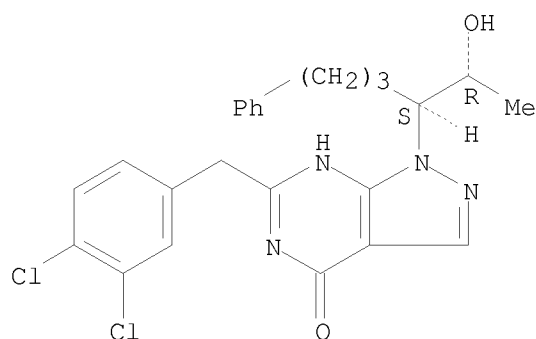
Relative stereochemistry.



RN 213324-31-3 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(3,4-dichlorophenyl)methyl]-1,5-dihydro-1-[(1R)-1-[(1S)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

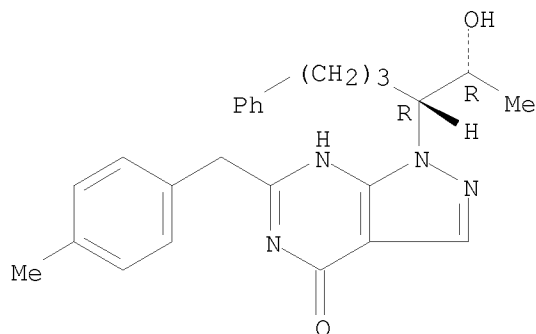
Relative stereochemistry.



RN 213324-32-4 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-[(1R)-1-[(1R)-1-hydroxyethyl]-4-phenylbutyl]-6-[(4-methylphenyl)methyl]-, rel- (CA INDEX NAME)

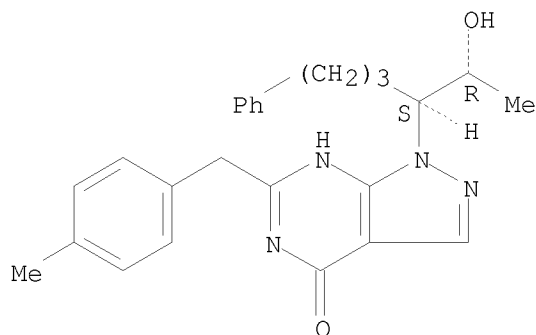
Relative stereochemistry.



RN 213324-33-5 CAPLUS

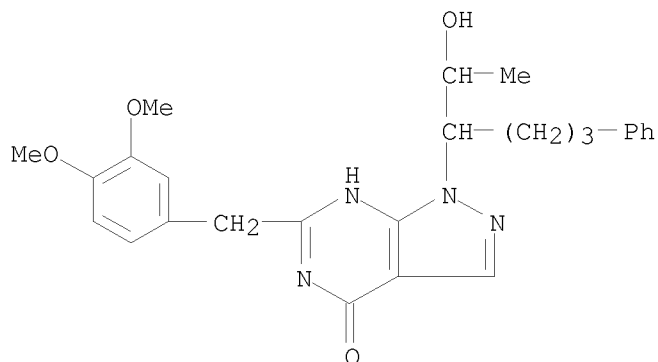
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-[(1R)-1-[(1S)-1-hydroxyethyl]-4-phenylbutyl]-6-[(4-methylphenyl)methyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.



RN 213324-34-6 CAPLUS

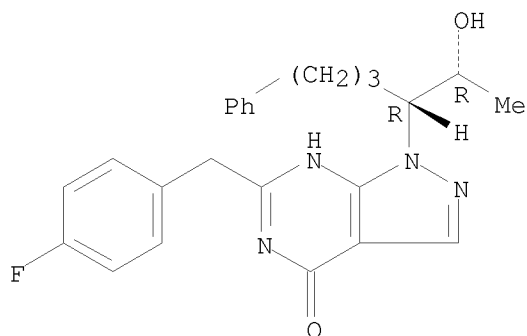
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(3,4-dimethoxyphenyl)methyl]-1,5-dihydro-1-[1-(1-hydroxyethyl)-4-phenylbutyl]- (CA INDEX NAME)



RN 213324-35-7 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-fluorophenyl)methyl]-1,5-dihydro-1-[(1R)-1-[(1R)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

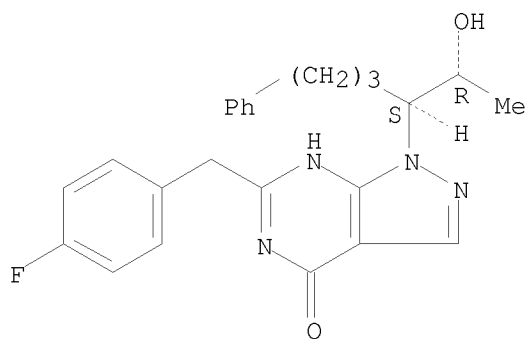
Relative stereochemistry.



RN 213324-36-8 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-fluorophenyl)methyl]-1,5-dihydro-1-[(1R)-1-[(1S)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

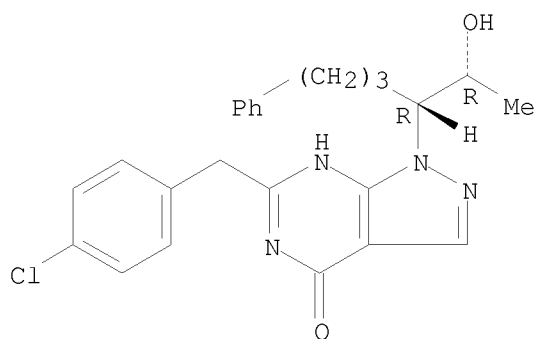
Relative stereochemistry.



RN 213324-37-9 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-chlorophenyl)methyl]-1,5-dihydro-1-[(1R)-1-[(1R)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

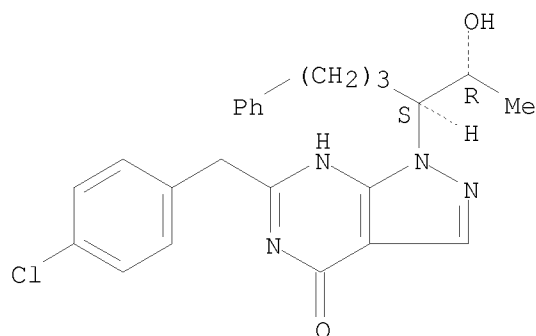
Relative stereochemistry.



RN 213324-38-0 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-chlorophenyl)methyl]-1,5-dihydro-1-[(1R)-1-[(1S)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

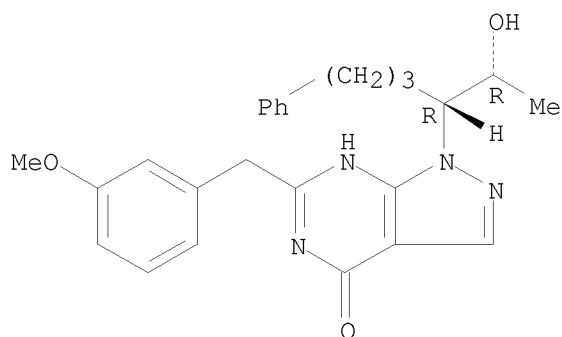
Relative stereochemistry.



RN 213324-39-1 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-[(1R)-1-[(1R)-1-hydroxyethyl]-4-phenylbutyl]-6-[(3-methoxyphenyl)methyl]-, rel- (CA INDEX NAME)

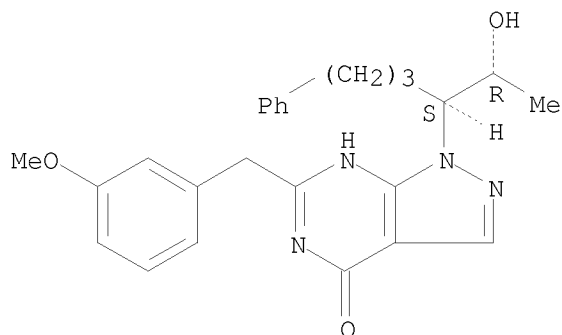
Relative stereochemistry.



RN 213324-40-4 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-[(1R)-1-[(1S)-1-hydroxyethyl]-4-phenylbutyl]-6-[(3-methoxyphenyl)methyl]-, rel- (CA INDEX NAME)

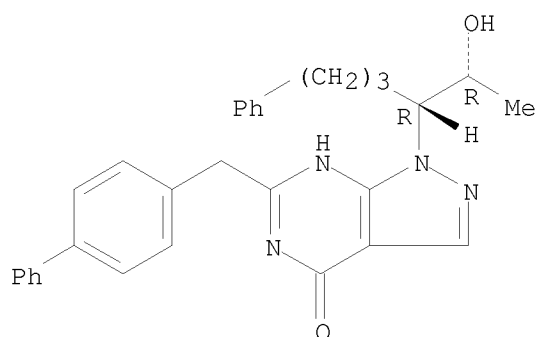
Relative stereochemistry.



RN 213324-41-5 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-([1,1'-biphenyl]-4-ylmethyl)-1,5-dihydro-1-[(1R)-1-[(1R)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

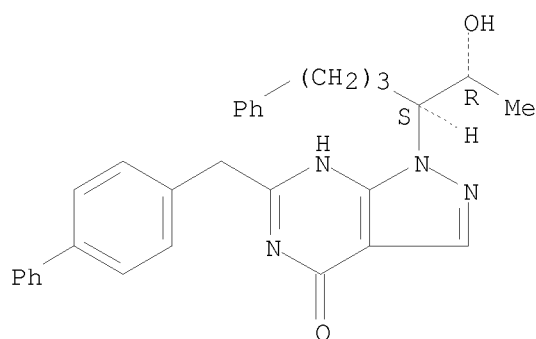
Relative stereochemistry.



RN 213324-42-6 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-([1,1'-biphenyl]-4-ylmethyl)-1,5-dihydro-1-[(1R)-1-[(1S)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

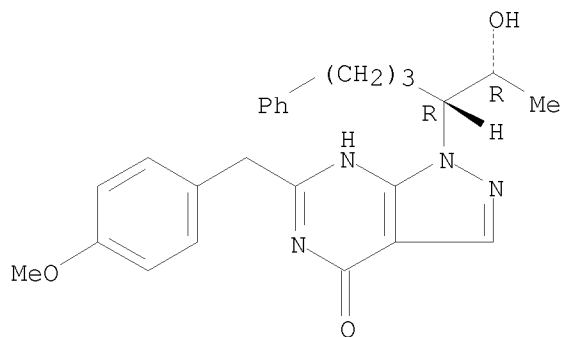
Relative stereochemistry.



RN 213324-43-7 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-[(1R)-1-[(1R)-1-hydroxyethyl]-4-phenylbutyl]-6-[(4-methoxyphenyl)methyl]-, rel- (CA INDEX NAME)

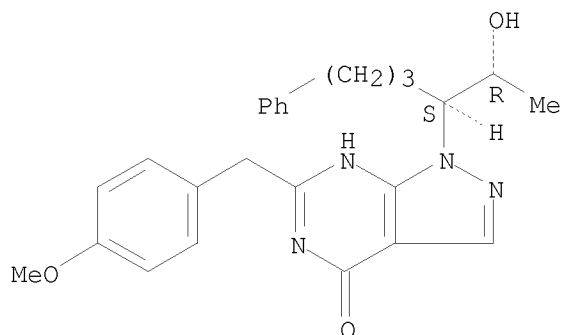
Relative stereochemistry.



RN 213324-44-8 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-[(1R)-1-[(1S)-1-hydroxyethyl]-4-phenylbutyl]-6-[(4-methoxyphenyl)methyl]-, rel- (CA INDEX NAME)

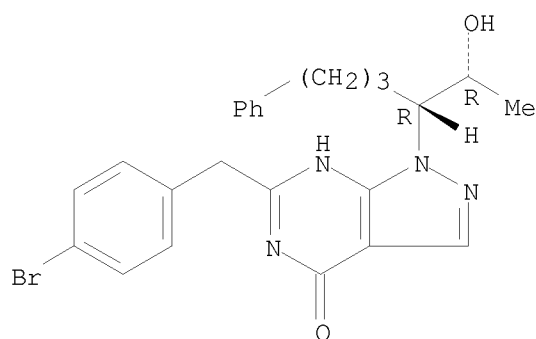
Relative stereochemistry.



RN 213324-45-9 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-bromophenyl)methyl]-1,5-dihydro-1-[(1R)-1-[(1R)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

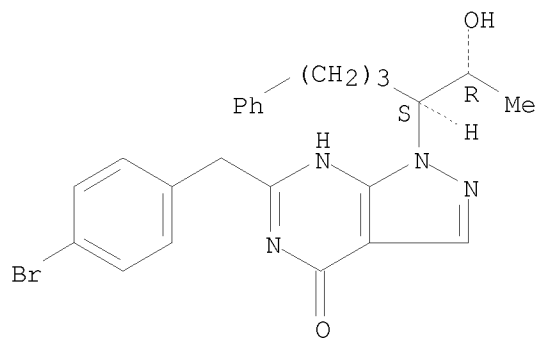
Relative stereochemistry.



RN 213324-46-0 CAPLUS

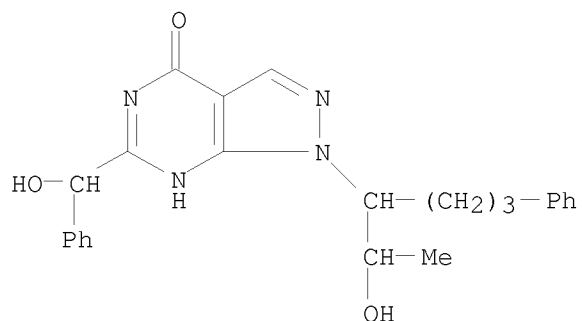
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 6-[(4-bromophenyl)methyl]-1,5-dihydro-1-[(1R)-1-[(1S)-1-hydroxyethyl]-4-phenylbutyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.



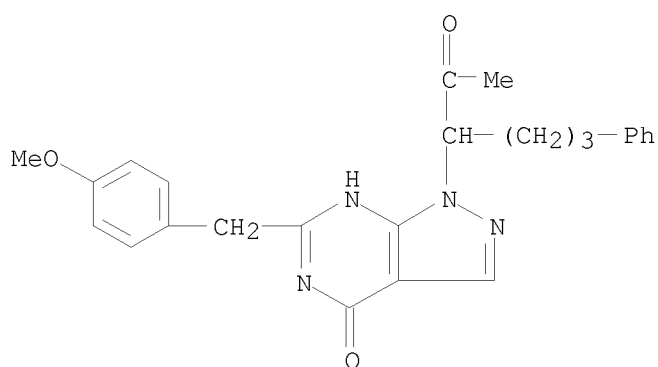
RN 213324-47-1 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-[1-(1-hydroxyethyl)-4-phenylbutyl]-6-(hydroxyphenylmethyl)- (CA INDEX NAME)



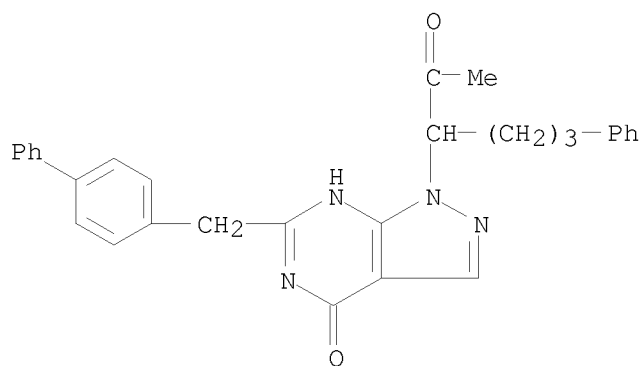
RN 213324-53-9 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1-(1-acetyl-4-phenylbutyl)-1,5-dihydro-6-[(4-methoxyphenyl)methyl]- (CA INDEX NAME)



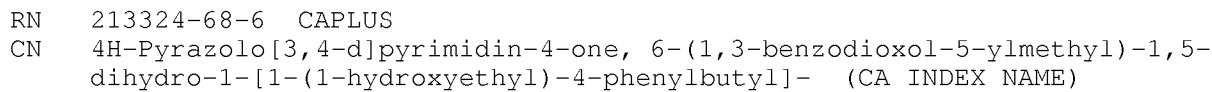
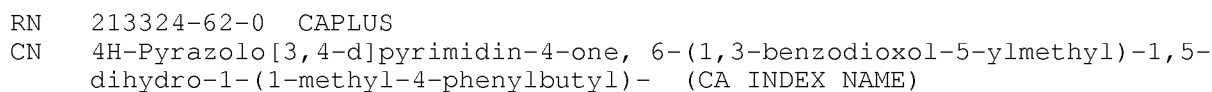
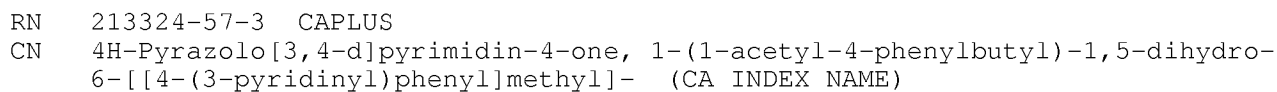
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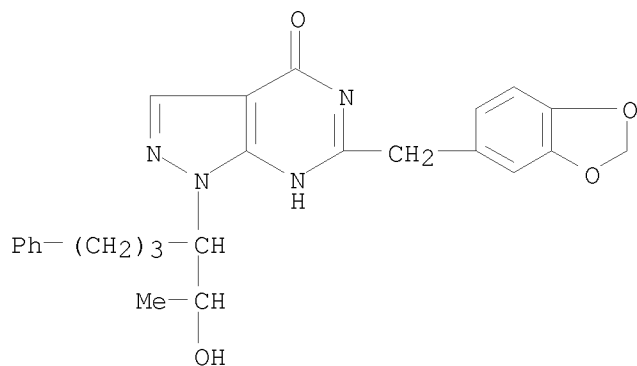
CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1-(1-acetyl-4-phenylbutyl)-6-([1,1'-biphenyl]-4-ylmethyl)-1,5-dihydro- (CA INDEX NAME)



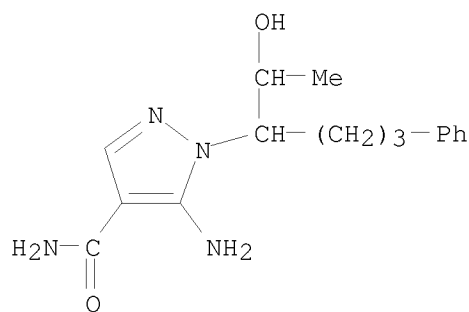
RN 213324-56-2 CAPLUS

CN Morpholine, 4-[[4-[[4,5-dihydro-1-[1-(1-hydroxyethyl)-4-phenylbutyl]-4-oxo-1H-pyrazolo[3,4-d]pyrimidin-6-yl]methyl]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

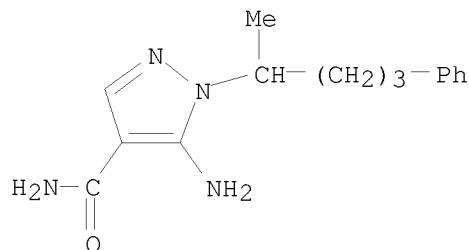




IT 212840-02-3P 213325-03-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP
 (Preparation); RACT (Reactant or reagent)
 (preparation of pyrazolo[3,4-d]pyrimidinones as phosphodiesterase
 inhibitors)
 RN 212840-02-3 CAPLUS
 CN 1H-Pyrazole-4-carboxamide, 5-amino-1-[1-(1-hydroxyethyl)-4-phenylbutyl]-
 (CA INDEX NAME)



RN 213325-03-2 CAPLUS
 CN 1H-Pyrazole-4-carboxamide, 5-amino-1-(1-methyl-4-phenylbutyl)- (CA INDEX
 NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1991:6429 CAPLUS
 DOCUMENT NUMBER: 114:6429
 TITLE: Studies on pyrazolo[3,4-d]pyrimidine derivatives.

XVIII. Facile preparation of 1H-pyrazolo[3,4-d]pyrimidin-4(5H)-ones

AUTHOR(S): Miyashita, Akira; Iijima, Chihoko; Higashino, Takeo; Matsuda, Hideaki

CORPORATE SOURCE: Sch. Pharm. Sci., Univ. Shizuoka, Shizuoka, 422, Japan

SOURCE: Heterocycles (1990), 31(7), 1309-14
CODEN: HTCYAM; ISSN: 0385-5414

DOCUMENT TYPE: Journal

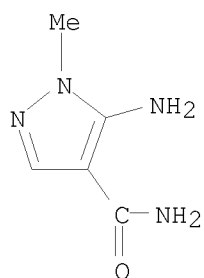
LANGUAGE: English

OTHER SOURCE(S): CASREACT 114:6429

IT 18213-75-7 50427-77-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclocondensation of, with esters)

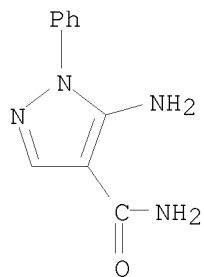
RN 18213-75-7 CAPLUS

CN 1H-Pyrazole-4-carboxamide, 5-amino-1-methyl- (CA INDEX NAME)



RN 50427-77-5 CAPLUS

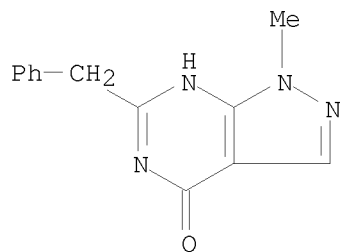
CN 1H-Pyrazole-4-carboxamide, 5-amino-1-phenyl- (CA INDEX NAME)



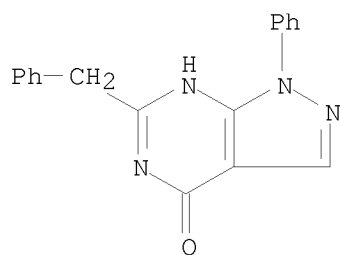
IT 91803-32-6P 94331-62-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 91803-32-6 CAPLUS

CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-methyl-6-(phenylmethyl)-
(CA INDEX NAME)



RN 94331-62-1 CAPLUS
 CN 4H-Pyrazolo[3,4-d]pyrimidin-4-one, 1,5-dihydro-1-phenyl-6-(phenylmethyl)-
 (CA INDEX NAME)



=> log hold		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	32.03	924.96

SESSION WILL BE HELD FOR 120 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 15:21:43 ON 17 MAR 2008